

Personal Systems Reference Lenovo® ThinkPad® TopSeller™ Notebooks

April 2010 - Version 376







PC3-8500 DDR3 Low-Halogen SODIMM 1GB 55Y3706 2GB 55Y3707



ThinkPad Mini Dock Plus Series 3 433810U



USB 2.0 Portable Secure Hard Disk 160GB 43R2018 320GB 43R2019



ThinkPad Bluetooth Laser Mouse 41U5008



ThinkPad Checkpoint Friendly Business Topload Case 51J0418



90W Ultraslim AC/DC Combo Adapter 41R4493





Lenovo® ThinkPad R400



ThinkLight on



Lenovo USB-to-DVI Monitor Adapter 45K5296



Lenovo ThinkPad R400



Lenovo ThinkPad R400



ThinkPad Battery 33++ (9-cell) 43R2499

| | Wide- | Disk | | Mini PCle | Mini PCle | Mini PCle | Finger | Bat- | |
|-----------------------------|---------|----------------------------------|---------|-----------|-----------|-----------|--------|---------------------|-------|
| Proc- | screen | Cam- Integrated SATA | SATA | 802.11 | WWAN | UWB | print | Blue- tery | Avail |
| Type-model essor GHz Memory | display | era graphics GB [®] rpm | optical | wireless | | or Turbo | reader | tooth cells Preload | date |

7438-68U P8700 2.53 2GB 14.1" WXGA Cam GMA 250G 5400 DVD±RW :Intel 510028 None None Finger Blue 6 XP Pro Oct 09

- This small and medium business (SMB) model is part of the US TopSeller™ Program
 This model has an EasyServ™.19 depot repair service 3-year limited warranty

| Positioning Processor | Mainstream business performance; two spindles Intel® Core™ 2 Duo processor P8700 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache | Preloaded operating system ²⁰ - Windows® XP Professional preinstalled through downgrade |
|---|--|---|
| Memory | 2GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Non-italics:</i> standard memory in one socket; one socket available; | rights in Genuine Windows 7 Professional 32 Preloaded applications ¹⁴ (only some |
| SATA DVD±RW Ultrabay Enhance SATA disk | DVD burner, SATA 1.5Gb/s, 12.7mm Ultrabay Enhanced, removable (43R9149) d One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high 250GB ⁸ (5400 rpm) / SATA 1.5Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports 2nd disk, ThinkPad Shock Mounted Hard Drive, Active Protection System™ | listed) ■ Rescue and Recovery™ ■ Access Connections™ ■ Client Security Solution™ ■ ThinkVantage Productivity Center |
| Widescreen display Camera | 14.1 " (358.1mm) WXGA (1280x800) color , anti-glare, CCFL backlight, 185 nits, 16:10 aspect ratio, 300:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus | ThinkVantage System Update Fingerprint Software (fingerprint models) McAfee VirusScan® Plus with |
| Integrated graphics | Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45, DVI pass-through support to optional Advanced Mini Dock or Advanced Dock Maximum external resolution: 2048x1536@75Hz | SiteAdvisor™ (30 days of virus definitions) • Lenovo System Toolbox |
| Keyboard TrackPoint® Touch pad ThinkLight™ | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label Illuminates the keyboard to improve visibility in low-light conditions | ThinkPad Utilities (Power Manager and Presentation Director) Adobe® Reader® Windows Live™ Toolbar Microsoft® Office 2007 Trial (60-day) |
| Dimensions ³ Weight ² Case material Battery - type Battery - life ¹⁰ | 6-cell 14.1W" (WxDxH): 13.2" x 9.4" x 1.2–1.4"; 335.5 x 238mm x 31–35mm 6-cell: starting at 5.1 lb (2.3kg) Top: Super-Elastic PolyCarbonate (SEPC); Bottom: Carbon-Fiber Reinforced Plastic Lithium Ion 6-cell, supports unique 2nd battery in Ultrabay Enhanced 6-cell: up to 5 hr; 6-cell plus Ultrabay battery: up to 6.5 hr; 9-cell: up to 7.5 hr | Roxio® Creator® Business Edition (DVD±RW) Roxio MyDVD® (DVD±RW) Corel® WinDVD® (DVD±RW) |
| Chipset ExpressCard/54 PC Card | Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M-Enhanced I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) One slot (ExpressCard/34, ExpressCard/54) One slot (Type I, Type II), CardBus 32-bit | Supports ThinkVantage® technologies |
| Smart Card Read Multicard Reader Ports | None | 65-watt (GMA graphics) AC adapter ThinkPad Roll Cage and Top Cover Roll Cage (one-piece magnesium) EPEAT™ Silver rating |
| Mini PCI Express Intel 5100 ²⁸ WWAN 2G Turbo UWB Modem Bluetooth™ | Three Mini PCI Express slots 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) None None None S6K V.92 ⁶ modem Bluetooth 2.1 wireless, LED indicator | ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 |
| Ethernet Intel AMT Audio support | Intel 82567LF Gigabit Network Connection (Boazman), PHY, PCIe x1 None High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack | ThinkPlus ^{™.22} 3-year LOR ²⁴ 9x5 NBD 45K6021 ThinkPlus 4-year LOR 9x5 NBD 45K6022 |
| | Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant r Fingerprint reader on palm rest, swipe sensor, supports the security chip | ThinkPlus 5-year LOR 9x5 NBD 45K6024 ThinkPlus 4-year P&L P/U Depot 45K6023 |
| | ² 3-years /1-yr battery - EasyServ ^{TM,19} depot repair service / service upgrades ²² available | ThinkPlus 5-year P&L P/U Depot |
| 2GB PC3-8500 I ThinkPad Advan | DDR3 L-H SODIMM 55Y3706 ThinkPad Battery 33 (4-cell) 41U3196 DDR3 L-H SODIMM 55Y3707 ThinkPad Battery 33+ (6-cell) 41U3198 ced Mini Dock 250410U ThinkPad Battery 33++ (9-cell) 43R2499 other accessories at lenovo.com/accessories | 45K6025 Post-warranty annual maintenance agreements at lenovo.com/thinkplus/warranty |

| Proc- Type-model essor GHz Memory | Wide- screen Car display er | n- Integrat a graphic | Disk ed SATA s GB ⁸ rpm | SATA optical | Mini PCle 802.11 wireless | Mini PCle WWAN | Mini PCle UWB or Turbo | print | | Bat- tery cells | Preload | Avail date |
|--------------------------------------|-----------------------------------|--------------------------|--|--------------|---------------------------------|-------------------|------------------------------|--------|------|-----------------------|---------|---------------|
| 7443-31H T6670 2 20 2GB 14 | 4 1" WXGA Ca | m GMA | 250G 5400 | DVD+RW | 11n ²⁸ | None | None | Finger | Blue | 6 ' | XP Pro | Oct 09 |

This small and medium business (SMB) model is part of the US TopSeller™ Program

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|--|--|---|--|--|--|
| Positioning Processor | Mainstream business performance; two spindles Intel® Core™ 2 Duo processor T6670 with dual-core, | Preloaded operating system ²⁰ - Windows® XP Professional | | | |
| | Intel HD Boost, 800MHz system bus, and 2MB L2 cache | preinstalled through downgrade | | | |
| Memory | 2GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Non-italics:</i> standard memory in one socket; one socket available; | rights in Genuine Windows 7 Professional 32 Preloaded applications ¹⁴ (only son | | | |
| SATA DVD±RW Ultrabay Enhancd SATA disk | DVD burner, SATA 1.5Gb/s, 12.7mm Ultrabay Enhanced, removable (43R9149) One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high 250GB³ (5400 rpm) / SATA 1.5Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports 2nd disk, ThinkPad Shock Mounted Hard Drive, Active Protection System™ | listed) ■ Rescue and Recovery™ ■ Access Connections™ ■ Client Security Solution™ ■ ThinkVantage Productivity Center | | | |
| Widescreen display Camera | 14.1" (358.1mm) WXGA (1280x800) color, anti-glare, CCFL backlight, 185 nits, 16:10 aspect ratio, 300:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus | ThinkVantage System Update Fingerprint Software Lenovo System Toolbox ThinkPad Utilities (Power Manager | | | |
| Integrated graphics | Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45, DVI pass-through support to optional Advanced Mini Dock or Advanced Dock Maximum external resolution: 2048x1536@75Hz | and Presentation Director) • Adobe® Reader® • Windows Live™ Toolbar | | | |
| Keyboard TrackPoint® Touch pad ThinkLight™ | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label Illuminates the keyboard to improve visibility in low-light conditions | Microsoft® Office 2007 Trial (60-day) Roxio® Creator® Business Edition (DVD±RW) Roxio MyDVD® (DVD±RW) Corel® WinDVD® (DVD±RW) | | | |
| Dimensions ³ | 6-cell 14.1W" (WxDxH): 13.2" x 9.4" x 1.2–1.4"; 335.5 x 238mm x 31–35mm | ` , | | | |
| Weight ² Case material Battery - type | 6-cell: starting at 5.1 lb (2.3kg) Top: Super-Elastic PolyCarbonate (SEPC); Bottom: Carbon-Fiber Reinforced Plastic Lithium Ion 6-cell, supports unique 2nd battery in Ultrabay Enhanced | Supports ThinkVantage® technologies 65-watt (GMA graphics) AC adapter | | | |
| Battery - life ¹⁰ | 6-cell: up to 5 hr; 6-cell plus Ultrabay battery: up to 6.5 hr; 9-cell: up to 7.5 hr | ThinkPad Roll Cage and Top Cover | | | |
| Chipset ExpressCard/54 PC Card Smart Card Read Multicard Reader Ports | None Three USB 2.0, external monitor (VGA DB-15), modem (RJ-11), ethernet (RJ-45), | Roll Cage (one-piece magnesium) EPEAT™ Silver rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support during the warranty period¹² via 800-426-7378 | | | |
| | IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) | ThinkPlus™.22 1-year LOR24 9x5 NBD | | | |
| Mini PCI Express 11n ²⁸ WWAN | Three Mini PCI Express slots 11b/g/n wireless, Mini-PCIe Adapter II None | 45K5968 ThinkPlus 2-year LOR 9x5 NBD 45K5969 | | | |
| 2G Turbo UWB | None None | ThinkPlus 3-year LOR 9x5 NBD 45K5970 | | | |
| Modem Bluetooth™ | 56K V.92 ⁶ modem Bluetooth 2.1 wireless, LED indicator | ThinkPlus 4-year LOR 9x5 NBD 45K5973 | | | |
| Ethernet Intel AMT | Intel 82567LF Gigabit Network Connection (Boazman), PHY, PCIe x1 None | ThinkPlus 5-year LOR 9x5 NBD 45K5975 | | | |
| Audio support | High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack | ThinkPlus 2-year P&L P/U Depot 45K5971 | | | |
| Security Security chip | Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant | ThinkPlus 3-year P&L P/U Depot 45K5972 | | | |
| | Fingerprint reader on palm rest, swipe sensor, supports the security chip | ThinkPlus 4-year P&L P/U Depot 45K5974 | | | |
| | 2 1-year - EasyServ ^{TM,19} depot repair service / service upgrades ²² available | ThinkPlus 5-year P&L P/U Depot | | | |
| | DDR3 L-H SODIMM 55Y3706 ThinkPad Battery 33 (4-cell) 41U3196 DDR3 L-H SODIMM 55Y3707 ThinkPad Battery 33+ (6-cell) 41U3198 ded Mini Dock 250410U ThinkPad Battery 33++ (9-cell) 43R2499 | 45K5976 Post-warranty annual maintenance agreements at | | | |
| Other accessorie | s on O-R400 sheet Other accessories at lenovo.com/accessories | lenovo.com/thinkplus/warranty | | | |

ThinkPad® R400 Accessories

| Memory | 100/00/00 | Security | |
|--|---|--|--|
| 1GB PC3-8500 DDR3 SODIMM 1GB PC3-8500 DDR3 SODIMM (25-Pack) | 43R1987 ann 08/05/08 51J0551 ann 03/17/09 | | 73P2582 ann 12/29/03 45K1620 ann 09/30/08 |
| 2GB PC3-8500 DDR3 SODIMM | 43R1988 ann 08/05/08 | ThinkPad T400/T410/R400 Privacy Filter | 43R2472 ann 08/05/08 |
| 2GB PC3-8500 DDR3 SODIMM (25-Pack) | 51J0552 ann 03/17/09 | USB Gemplus GemPC Smart Card Reader | |
| 1GB PC3-8500 DDR3 Low-Halogen SODIMN | | PC Card Gemplus Smart Card Reader ExpressCard Gemplus Smart Card Reader | 41N3004 ann 12/13/05 |
| 1GB PC3-8500 DDR3 L-H SODIMM (25-Pack 2GB PC3-8500 DDR3 Low-Halogen SODIMM | | Expressoard Gerripius Smart Card Reader | 41113043 ann 00/27/00 |
| 2GB PC3-8500 DDR3 L-H SODIMM (25-Pack | | | |
| Illavala av. Clim O France | | ThinkPad Battery 33 (4-cell) | 41U3196 ann 05/09/07 |
| Ultrabay Slim 9.5mm Serial ATA Hard Drive Bay Adapter III ⁴⁸ | 43N3412 ann 06/23/09 | ThinkPad Battery 33+ (6-cell) ThinkPad Battery 33++ (9-cell) | 41U3198 ann 05/09/07 43R2499 ann 03/04/08 |
| DVD-ROM Ultrabay Slim SATA 1.5Gb/s ⁴⁸ | 43N3212 ann 08/05/08 | ThinkPad Battery 42 (3-cell, bay)43 | 57Y4536 ann 08/25/09 |
| CD-RW/DVD-ROM Ultrabay Slim SATA ⁴⁸ | 43N3213 ann 08/05/08 | ⁴³ Used in Ultrabay Slim bay. | 40)/7005 00/00/05 |
| DVD Burner Ultrabay Slim SATA 1.5Gb/s ⁴⁸ 48 Slim 9.5mm device in 12.7mm bay shows | 43N3214 <i>ann 08/05/08</i> | ThinkPad External Battery Charger ⁴⁴ 44 Requires the <i>ThinkPad 90W AC Adapter</i> | 40Y7625 ann 09/20/05 |
| Cilifi devide in 12.71iiii bay bliewe | gap above the device. | 40Y7659 or the adapter provided with the | system. |
| Ultrabay Enhanced 12.7mm | 40D04.47 00/05/00 | More information at www.lenovo.com/allda | vcomputing |
| DVD-ROM Ultrabay Enhanced SATA 1.5Gb/s DVD Burner Ultrabay Enh SATA 1.5Gb/s | 43R9147 ann 08/05/08 43R9149 ann 08/05/08 | ThinkPad 65W AC Adapter ⁴⁵ | 40Y7696 ann 01/05/06 |
| Blu-ray™ Burner Ultrabay Enh SATA 1.5Gb/s | | ⁴⁵ Only compatible with the integrated graph | |
| | | ThinkPad 90W AC Adapter | 40Y7659 ann 09/20/05 |
| Storage and removable storage 160GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ | 41N5692 ann 03/20/07 | 90W Ultraslim AC/DC Combo Adapter | 41R4493 ann 09/22/09 |
| 160GB Disk SATA 1.5Gb/s (3400 rpm) ⁴¹ | 41N5737 ann 10/16/07 | More info at www.lenovo.com/support/pov | veradapters |
| 250GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ | 43R8152 ann 01/15/08 | | |
| 250GB Disk FDE SATA 1.5Gb/s (7200 rpm) ⁴¹ 320GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ | 43N3410 ann 01/20/09 43N3403 ann 08/05/08 | BlackBerry charge tip (L8a) iPod and iPhone Charge Tip (L10a) | 41R4478 ann 12/18/07 41R4481 ann 12/18/07 |
| 320GB Disk SATA 1.5Gb/s (7200 rpm) ⁴¹ | 43N3411 ann 01/20/09 | •Generic Micro USB charge tip (L18) | 41R4490 ann 01/06/09 |
| 500GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ | 43N3420 ann 06/23/09 | More information at www.lenovopowertips. | |
| 500GB Disk SATA 3.0Gb/s (7200 rpm) ⁴¹ Can be used as the main HDD or | 43N3423 ann 01/07/10 | Word information at www.ichotopowerupo. | oom |
| with Serial ATA Hard Drive Bay Adapter III 4 | 3N3412 in the Ultrabav | Carrying Cases | |
| USB 2.0 Essential Memory Key 4GB | 45J7904 ann 06/24/08 | Up to 14" widescreen models: ThinkPad 14W Case Sleeve | 57Y4294 ann 03/16/10 |
| USB 2.0 Essential Memory Key 8GB | 45J7905 ann 07/15/08 | Up to 15.4" widescreen models: | 07 1 4 2 0 4 am 1 0 0 7 1 0 7 1 0 |
| USB 2.0 Essential Memory Key 32GB | 45K1258 ann 10/28/08 | ThinkPad 15W Case Sleeve | 51J0477 ann 08/18/09 |
| USB 2.0 Ultra Secure Memory Key 1GB USB 2.0 Ultra Secure Memory Key 2GB | 45J5915 ann 08/26/08 45J5916 ann 08/26/08 | Lenovo Business Messenger Case | 51J0475 ann 08/18/09 |
| USB 2.0 Ultra Secure Memory Key 4GB | 45J5917 ann 08/26/08 | Lenovo Messenger Max Lenovo Performance BackPack | 41U5253 ann 05/01/07 41U5254 ann 05/01/07 |
| USB 2.0 Ultra Secure Memory Key 8GB | 45J5918 ann 08/26/08 | Checkpoint Friendly Business Topload Case | |
| USB 2.0 Portable 320GB Hard Disk | 45K1689 ann 03/17/09 | ThinkPad Business Topload Case | 43R2476 ann 05/13/08 |
| USB 2.0 Portable 500GB Hard Disk | 45K1690 ann 05/26/09 | ThinkPad Business Backpack | 43R2482 ann 05/13/08 |
| USB 2.0 Portable Secure 160GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk | 43R2018 ann 11/18/08 43R2019 ann 11/18/08 | ThinkPad Deluxe Expander Case ThinkPad Executive Leather Case | 43R2478 ann 05/13/08 43R2480 ann 05/13/08 |
| eSATA/USB 2.0 Secure 500GB Hard Drive | 57Y4400 ann 01/07/10 | Up to 15.6" widescreen models: | |
| USB 2.0 Super Multi-Burner Drive | 41N5565 ann 01/23/07 | Wenger Backnack for Lenovo | 57Y4271 ann 01/07/10 |
| USB 2.0 Portable DVD Burner | 43N3264 ann 01/05/10 | Wenger Slim Case for Lenovo | 57Y4272 ann 01/07/10 |
| ThinkPad Expansion | | Wenger Deluxe Slim Case for Lenovo | 57Y4273 ann 01/07/10 |
| Lenovo® Essential Notebook Stand | 45J9292 ann 05/12/09 | Lenovo luxury cases at www.lenovoluxuryo | cases.com |
| USB Port Replicator with Digital Video ThinkPad Advanced Mini Dock | 45K1610 ann 07/28/09 250410U ann 09/20/05 | Monitors | |
| The state of the s | | ThinkVision® L1711p 17" Monitor | 5047HB2 ann 10/20/09 |
| Keyboard | 70D0600 and 40/40/00 | ThinkVision L1900p 19" Monitor | 4431HE1 ann 11/11/08 |
| TrackPoint Cap Collection USB Numeric Keypad | 73P2698 ann 12/16/03 33L3225 ann 05/01/00 | | 2448HB6 ann 10/20/09 2572HB6 ann 10/20/09 |
| Preferred Pro USB Keyboard | 73P5220 ann 06/21/05 | ThinkVision L2251p Wide 22" Monitor | 2572HD6 ann 10/20/09 |
| Enhanced Performance USB Keyboard | 73P2620 ann 03/23/04 | | 2578HB6 ann 10/20/09 |
| Ultraslim Wireless Keyboard and Mouse ⁵² ⁵² Wireless via 2.4GHz technology using a m | 57Y4700 <i>ann 09/15/09</i> icro-size USB receiver. | ThinkVision L2440p Wide 24" Monitor | 4420HB2 ann 09/17/08 |
| ThinkPad USB Keyboard with TrackPoint | 55Y9003 ann 08/18/09 | | |
| Lenovo® USB Fingerprint Keyboard | 73P4730 ann 02/22/05 | | 45K5296 ann 05/12/09 |
| Lenovo USB Smartcard Keyboard | 51J0155 ann 03/24/09 | ThinkVision USB Soundbar ThinkVision Soundbar | 40Y7616 ann 08/23/05 45K1263 ann 09/16/08 |
| Mouse | | Kensington MicroSaver Cable Lock | 73P2582 ann 12/29/03 |
| Lenovo Mini Optical Mouse - Black (USB) | 55Y9308 ann 05/19/09 | Kensington Twin Head Cable Lock | 45K1620 ann 09/30/08 |
| Lenovo Mini Optical Mouse - White (USB) Lenovo Optical Mouse (USB) | 55Y9309 ann 05/19/09 06P4069 ann 05/21/03 | | 55Y9258 ann 09/22/09 19K4464 ann 05/05/00 |
| Lenovo Laser Mouse (USB) | 41U3074 ann 01/23/07 | 46 Compatible on selected Lenovo and Think | |
| ThinkPad USB Laser Mouse | 57Y4635 ann 12/15/09 | More information at www.lenovo.com/supp | |
| Lenovo ScrollPoint® Mouse (USB, Optical) ThinkPad Travel Mouse (USB, Optical) | 31P7405 ann 08/27/02 31P7410 ann 06/04/02 | l | |
| ThinkPad Bluetooth Laser Mouse | 41U5008 ann 01/22/08 | | oo, piodoo vioit. |
| | | www.lenovo.com/support/notebookacces | sories |
| Multimedia ThinkPad In-Ear Headphones | 57Y4488 ann 01/07/10 | www.lenovo.com/support/security | |
| Think ad in Ear Heauphones | 07 1 7 700 ami 01/07/10 | Other accessories at www.lenovo.com/acc | |
| | | Accessories Guide pdf at www.lenovo.com/ | accessoriesguide |
| | | | |

ThinkPad_®



Lenovo® ThinkPad R500



ThinkPad Battery 41++ (9-cell) 40Y6797



Lenovo ThinkPad R500







| Proc- Type-model essor GHz Memory | Wide- screen display | Cam- Integ era grap | Disk rated SATA hics GB ⁸ rpm | SATA optical | Mini PCle 802.11 wireless | Mini PCle Turbo | print | Blue- | | | | G) Ávail |
|--------------------------------------|----------------------------|------------------------|--|--------------|---------------------------------|--------------------|--------|-------|---|--------|----|----------|
| 2714-AFU T6670 2.20 2GB 15 | 5.4" WXGA | Cam GM | IA 250G 5400 | DVD±RW | 11n ²⁸ | None | Finger | Blue | 6 | XP Pro | No | Oct 09 |

- This small and medium business (SMB) model is part of the US TopSeller $^{\text{\tiny TM}}$ Program

| Positioning Processor | Mainstream business performance; two spindles Intel® Core™ 2 Duo processor T6670 with dual-core, Intel HD Boost, 800MHz system bus, and 2MB L2 cache | Preloaded operating system ²⁰ - Windows® XP Professional preinstalled through downgrade | | |
|--|---|--|--|--|
| Memory | 2GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Non-italics:</i> standard memory in one socket; one socket available; | rights in Genuine Windows 7 Professional 32 Preloaded applications ¹⁴ (only some | | |
| SATA DVD±RW Ultrabay Enhancd SATA disk | DVD burner, SATA 1.5Gb/s, 12.7mm Ultrabay Enhanced, removable (43R9149) One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high 250GB³ (5400 rpm) / SATA 1.5Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports 2nd disk, ThinkPad Shock Mounted Hard Drive, Active Protection System™ | listed) ■ Rescue and Recovery [™] ■ Access Connections [™] ■ Client Security Solution [™] ■ ThinkVantage Productivity Center | | |
| Widescreen display Camera | 15.4" (391mm) WXGA (1280x800) color, anti-glare, CCFL backlight, 200 nits, 16:10 aspect ratio, 300:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus | ThinkVantage System Update Fingerprint Software Lenovo System Toolbox Adobe® Reader® | | |
| Integrated graphics | Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45, digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); Maximum external resolution: 2048x1536@75Hz | Roxio® Creator® Business Edition (DVD±RW) Roxio MyDVD® (DVD±RW) | | |
| Keyboard TrackPoint® | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass | Corel® WinDVD® (DVD±RW) | | |
| Touch pad ThinkLight™ | UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label Illuminates the keyboard to improve visibility in low-light conditions | Supports ThinkVantage® technologies | | |
| Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰ | 6-cell 15.4W" (WxDxH): 14.1" x 10.2" x 1.4–1.5"; 358.6mm x 260mm x 36–39mm 6-cell: starting at 6.4 lb (2.93kg) black Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium lon 6-cell, supports unique 2nd battery in Ultrabay Enhanced 6-cell: up to 4.5 hr; 6-cell plus Ultrabay battery: up to 6.0 hr; 9-cell: up to 7.1 hr | 65-watt (GMA graphics) AC adapter ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Silver rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹7 | | |
| Chipset | Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) | 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 | | |
| ExpressCard/54 PC Card Smart Card Read | One slot (ExpressCard/34, ExpressCard/54) One slot (Type I, Type II), CardBus 32-bit None | ThinkPlus™.22 1-year LOR24 9x5 NBD 45K5968 | | |
| | 7-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) Three USB 2.0, external monitor ¹¹ (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) | ThinkPlus 2-year LOR 9x5 NBD 45K5969 ThinkPlus 3-year LOR 9x5 NBD | | |
| Mini PCI Express 11n ²⁸ WWAN | Two Mini PCI Express slots 11b/g/n wireless, Mini-PCIe Adapter II None | 45K5970 ThinkPlus 4-year LOR 9x5 NBD 45K5973 | | |
| 2G Turbo UWB | None None | ThinkPlus 5-year LOR 9x5 NBD 45K5975 ThinkPlus 2-year P&L P/U Depot | | |
| Modem Bluetooth™ Ethernet | 56K V.92 ⁶ modem Bluetooth 2.1 wireless, LED indicator Gigabit ethernet, Broadcom® BCM5787M (MAC/PHY), PCIe x1, PXE | 45K5971 ThinkPlus 3-year P&L P/U Depot | | |
| Intel AMT | High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / | 45K5972 ThinkPlus 4-year P&L P/U Depot 45K5974 | | |
| Security | volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole | ThinkPlus 5-year P&L P/U Depot 45K5976 | | |
| Security chip Fingerprint reader | Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader on palm rest, swipe sensor, supports the security chip | Post-warranty annual maintenance agreements at | | |
| Limited warranty ¹² | 1-year - depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty | | |

See footnotes for important warranty information US model announced October 22, 2009

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| Proc- Type-model essor GHz Memory | | Disk Integrated SATA graphics GB ⁸ rpm | SATA optical | Mini PCle 802.11 wireless | Mini PCle Turbo | print | Blue- | | | | G) Ávail |
|--------------------------------------|---------------|---|-----------------|---------------------------------|--------------------|--------|-------|-----|--------|----|----------|
| 2717-ASU T6670 2.20 3GB 15 | 5.4" WXGA Cam | GMA 320G 5400 | DVD±RW | 11n ²⁸ | None | Finger | Blue | 6) | XP Pro | No | Oct 09 |
| 2717-ATU P8700 2.53 2GB 15 | 5.4" WXGA Cam | GMA 250G 5400 | DVD±RW | Intel 5100 ²⁸ | None | Finger | Blue | 6) | XP Pro | No | Oct 09 |

- These small and medium business (SMB) models are part of the US TopSeller™ Program
 These models have a depot repair service 3-year limited warranty

| Intel® Core™ 2 Duo processor 16670 with dual-core, Intel HD Boost, 800MHz system bus, and 2MB L2 cache or Intel HD Boost, 1006MHz system bus, and 2MB L2 cache or Intel HD Boost, 1006MHz system bus, and 2MB L2 cache or Intel HD Boost, 1006MHz system bus, and 3MB L2 cache or Intel HD Boost, 1006MHz system bus, and 3MB L2 cache or Intel HD Boost, 1006MHz system bus, and 3MB L2 cache or Intel HD Boost, 1006MHz system bus, and 3MB L2 cache or Intel HD Boost, 1006MHz system bus, and 3MB L2 cache or Intel HD Boost, 1006MHz system bus, and 3MB L2 cache or Intel AWT DVD Boost, 1006MHz system bus, and 3MB L2 cache or Intel AWT DVD Boost, 1006MHz system bus, and 3MB L2 cache or Intel AWT DVD Boost, 1006MHz system bus, and 3MB L2 cache or Intel AWT DVD Boost, 1006MHz system bus, and 3MB L2 cache or Intel AWT DWD Boost, 1006MHz system bus, and 3MB L2 cache or Intel AWT DWD Boost, 1006MHz system bus, and 3MB L2 cache or Intel AWT DWD Boost, 1006MHz system bus, and 3MB L2 cache or Intel AWT DWD Boost, 1006MHz system bus, and 3MB L2 cache or Intel AWT DWD Boost, 1006MHz system bus, and 3MB L2 cache or Intel AWT DWD Boost, 1006MHz bus, 1006MHz b | D ''' ' | | |
|--|-------------------------|--|--|
| Intel HD Boost, 800MHz system bus, and 2MB L2 cache or Intel Core 2 Duo processor P8700 with dual-core, Intel HD Boost, 1066MHz bystem bus, and 3MB L2 cache Memory 2 GB or 3GB std / 4GB max/ PC3-8500 1066MHz DP3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; inscheding the standard memory in both sockets; no socket available; Non-rialics: standard memory in oth sockets; no socket available; Non-rialics: standard memory in one socket; no socket available; Non-rialics: standard memory in one socket; no socket available; Non-rialics: standard memory in one socket; no socket available; Non-rialics: standard memory in one socket; no socket available; Non-rialics: standard memory in one socket; no socket available; Non-rialics: standard memory in one socket; no socket available; Non-rialics: standard memory in one socket; no socket available; Non-rialics: standard memory in one socket; no socket available; Non-rialics: standard memory in one socket; no socket available; Non-rialics: standard memory in one socket; no socket available; Non-rialics: standard memory in one socket; no socket available; Non-rialics: standard memory in one socket; no socket available; Non-rialics: standard memory in one socket; no socket available; Non-rialics: standard memory in one socket; no socket available; Non-rialics: standard memory in one socket; no socket available; Non-rialics: standard memory in one socket; no socket available; Non-rialics: standard memory in one socket; no socket available; Non-rialics: standard memory in one socket; no socket available; Non-rialics: standard memory in one socket; no socket available; Non-rialics: standard memory in one socket; no socket available; Non-rialics: standard memory in one socket; no socket available; Non-rialics: standard memory in one socket; no socket available; Non-rialics: standard memory in one socket; no socket available; Non-rialics: standard memory in one socket; no socket available; Non-rialics: standard memory in one socket; no socket available; Non-ria | Processor | Mainstream business performance; two spindles | |
| Intel Core 2 Duo processor P8700 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache Memory 2GB or 3GB std / 4GB max² / PC2-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; nos sockets available; Non-titalizes: standard memory in one socket; one socket available; Non-titalizes: standard memory in one socket; one socket available; Non-titalizes: standard memory in one socket; one socket available; Non-titalizes: standard memory in one socket; one socket available; Non-titalizes: standard memory in one socket; one socket available; Non-titalizes: standard memory in one socket; one socket available; Non-titalizes: standard memory in one socket; one socket available; Non-titalizes: standard memory in one socket; one socket available; Non-titalizes: standard memory in one socket; one socket available; Non-titalizes: standard memory in one socket; one socket available; Non-titalizes: standard memory in one socket; one socket available; Non-titalizes: standard memory in one socket; one socket available; Non-titalizes: standard memory in one socket; one socket available; Non-titalizes: standard memory in one socket; one socket available; Non-titalizes: standard memory in one socket; one socket available; Non-titalizes: standard memory in one socket; one socket available; Non-titalizes: standard memory in one socket; one socket available; Non-titalizes: standard memory in one socket; one socket available; Non-titalizes: standard memory in one socket; one socket available; Non-titalizes: standard memory in one socket; one socket available; Non-titalizes: standard memory in one socket; one socket available; Non-titalizes: standard memory in or socket; none socket; | Processor | | |
| Intel HD Boost, 1066MHz system bus, and 3MB L2 cache Memory 2GB or 3GB att/ 4GB max/ i/PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; nosockets available; Non-italics: standard memory in both sockets; no sockets available; Non-italics: standard memory in both sockets; no sockets available; Non-italics: standard memory in both sockets; no sockets available; Non-italics: standard memory in both sockets; no sockets available; Non-italics: standard memory in both sockets; no sockets available; Non-italics: Standard memory in both sockets; no sockets available; Non-italics: Standard memory in both sockets; no sockets available; Non-italics: Standard memory in both sockets; no sockets available; Non-italics: Standard memory in both sockets; no sockets available; Non-italics: Standard memory in both sockets; no sockets available; Non-italics: Standard memory in both sockets; no sockets available; Non-italics: Standard memory in both sockets; no sockets available; Non-italics: Standard memory in both sockets; no sockets available; Non-italics: Standard memory in both sockets; no sockets available; Non-italics: Standard memory in both sockets; no sockets available; Non-italics: Standard memory in both sockets; no sockets available; Non-italics: Standard memory in both sockets; no sockets available; Non-italics: Standard memory in both sockets; no sockets available; Non-italics: Standard memory in both sockets; no sockets available; Non-italics: Standard memory in both sockets; no sockets available; Non-italics: Standard memory in both sockets; no sockets available; Non-italics: Standard memory in both sockets; no socket available; Non-italics: Standard memory in both sockets; no socket available; Non-italics: Standard memory in both sockets; no socket available; Non-italics: Standard memory in both sockets; no socket available; Non-italics: Standard memory in both sockets; no socket available; Non-italics: Standard memory in both sockets; no socket available; Non-italics: Standar | | | |
| Memory 2GB or 3GB std / 4GB max² / PC3-8500 1968MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets: no sockets available; Non-italics: standard memory in no sockets; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: Non-it | | | |
| dual-channel capable, two 204-pin SO-DIMM sockets; in sockets available; Italiacs: standard memory in both sockets; no sockets available; SATA DVD±RW DVD burner, SATA 1.5Gbs, 1.2 Trim Ultrabay Enhanced One bay for removable devices. Ultrabay Silm-compatible, 12.7 mm high SATA disk SAT | Momory | | |
| ## Flescue and Recovery™ Non-Haltics: standard memory in both sockets, no socket available; Non-Haltics: standard memory in both socket available; Non-Haltics: standard memory in one socket, none socket available; Non-Haltics: standard memory in one socket available; Non-Haltics: standard memory in both sockets, no socket available; Non-Haltics: standard memory in both sockets, no socket available; Non-Haltics: standard memory in both sockets available; Non-Haltics: standard memory in one socket; one socket available; Non-Haltics: standard memory in one socket; one soc | wemory | | |
| ANATO DYD-HAW AND HAW AND DYD-HAW AND HAW AND DYD-HAW AND DYD-HA | | | |
| SATA DYDERW DVD burner, SATA 1.5Gb/s, 12.7mm Ultrabay Enhanced, removable (43R9149) Ultrabay Enhanced One bay for removable devices, Ultrabay Silm-compatible, 12.7mm high Ultrabay Enhanced One bay for removable devices, Ultrabay Silm-compatible, 12.7mm high SATA 1.5Gb/s, 2.5° wide devices, Ultrabay Silm-compatible, 12.7mm high SATA 1.5Gb/s, 2.5° wide devices, Ultrabay Silm-compatible, 12.7mm high SATA 1.5Gb/s, 2.5° wide devices, Ultrabay Silm-compatible, 12.7mm high SATA 1.5Gb/s, 2.5° wide devices, Ultrabay Silm-compatible, 12.7mm high SATA 1.5Gb/s, 2.5° wide devices, Ultrabay Enhanced SATA disk Shock Mounted Hard Drive, Active Protection System™ Think/vantage System Update Think/vantage System Update Sate Sate Sate Sate Sate Sate Sate S | | | |
| Ultrabay Enhancd One bay for removable devices, Ultrabay Silm-compatible, 12.7mm high SATA disk \$250CB* (5400 rpm) / SQ0BB* (5400 rpm) / SATA (56b/s, 2.5* wide, 9.5mm high, removable, upgradable, supports 2nd disk, ThinkPad Shock Mounted Hard Drive, Active Protection System™ Widescreen display 200 nits, 16:10 aspect ratio, 300:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus Integrated graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45, digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); Maximum external resolution: 2048x1556@75Hz Keyboard TrackPoint* pointing device, "Preset-to-Select," Internet Scroll Bar?", magnifying glass TrackPoint* pointing device, "Preset-to-Select," Internet Scroll Bar?", magnifying glass TrackPoint* pointing device, "Preset-to-Select," Internet Scroll Bar?", magnifying glass TrackPoint* pointing device, "Preset-to-Select," Internet Scroll Bar?", magnifying glass TrackPoint* pointing device, "Preset-to-Select," Internet Scroll Bar?", magnifying glass TrackPoint* pointing device, "Preset-to-Select," Internet Scroll Bar?", magnifying glass TrackPoint* pointing device, "Preset-to-Select," Internet Scroll Bar?", magnifying glass TrackPoint* pointing device, "Preset-to-Select," Internet Scroll Bar?", magnifying glass TrackPoint* pointing device, "Preset-to-Select," Internet Scroll Bar?", magnifying glass TrackPoint* pointing device, "Preset-to-Select," Internet Scroll Bar?", magnifying glass TrackPoint* pointing device, "Preset-to-Select," Internet Scroll Bar?", magnifying glass TrackPoint* pointing device, "Preset-to-Select," Internet Scroll Bar?", Preset, "Internet Scroll Bar?", magnifying glass TrackPoint* pointing device, "Preset-to-Select," Internet Scroll Bar?", magnifying glass TrackPoint* pointing device, "Preset-to-Select," Internet Scroll Bar?", magnifying glass TrackPoint* pointing device, "Preset-to-Select," Internet Scroll Bar?", magnifying glass TrackPoint* pointing device, "Preset-to-Select," Internet Scroll Bar | CATA DVD DVA/ | | |
| SATA 1.65(bx) 2.5% wide, 9.5mm high, removable, upgradable, supports 2nd disk, ThinkPad Shock Mounted Hard Drive, Active Protection System™ and Shock Mounted Hard Drive, Active Protection System Mounted System Update Shock Mounted System Update Shock Mounted System Update Shock Mounted Shock Mounted System Update Shock Mounted Shock Mou | | DVD burrier, SATA 1.5Gb/s, 12.7/film Oilrabay Erinariced, removable (45A9149) | |
| SATA 1.5Gb/s, 2.5f wide, 9.5mm high, removable, upgradable, supports 2nd disk, ThinkPad Shock Mounted Hard Drive, Active Protection System* Widescreen display 200 nits, 16.10 aspect ratio, 300:1 contrast ratio 200 nits, 16.10 aspect ratio, 300:1 contrast ratio 300 nits, 16.10 aspect ratio, 300:1 contrast ratio 300:1 contrast at 300:1 contrast ratio | | | |
| Midesorem 15.4" (39 mm) WXGA (1280x800) color, anti-glare, CCFL backlight, 200 nits, 16:10 aspect ratio, 300:1 contrast ratio (30 mitegrated graphics and top of screen, 1.3-megapixel, fixed flocus (30 mitegrated graphics) and the properties of t | O/ ti/ t dioit | | |
| United Security Security Care Power Passes Card Security Security Power Manager and Presentation Source of Care Care Care Care Care Care Care Care | | | models) |
| display 200 nits, 16:1/10 aspect ratio, 300:1'contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus Integrated graphics digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); Maximum external resolution: 2048/t1536 @ 75Hz Keyboard TrackPoint's T | Widescreen | 15 4" (391mm) WXGA (1280x800) color, anti-glare, CCEL, backlight | |
| Camera Camera on top of screen, 1.3-megapixel, fixed focus Integrated graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45, digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); Maximum external resolution: 2048x1536 975Hz Keyboard 89-key, Think/Martage button, spill-resistant, multimedia Fn keys Track/Point® Dinting device, "Press-to-Select," Internet Scroll Bar¹3, magnifying glass UltraNavi", wide touch pad below keyboard; Tap Zones, scrolling regions label Illuminates the keyboard to improve visibility in low-light conditions Dimensions³ 6-cell 15.4W" (WxDxH): 14.1" x 10.2" x 1.4-1.5"; 358.6mm x 260mm x 36-39mm 6-cell: starting at 6.4 lb (2.93kg) Weight® Case color Case material Battery - tipe® 6-cell: starting at 6.4 lb (2.93kg) Ucarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium lon 6-cell, supports unique 2nd battery in Ultrabay Enhanced Battery - tipe® 6-cell: pub 6.45 nr; 6-cell plus Ultrabay battery: up to 6.0 hr; 9-cell: up to 7.1 hr Chipset | | | |
| Integrated graphics | Camera | | |
| digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915): Maximum external resolution: 2048x1536® 75Hz Keyboard TrackPoint® 17ackPoint® 2048x1536® 75Hz 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® 10th part of the control of t | Integrated | 1 01 1 | |
| Maximum external resolution: 2048x1536@75Hz Keyboard 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touch pad below keyboard. Tap Zones, scrolling regions label Illuminates the keyboard to improve visibility in low-light conditions Dimensions³ 6-cell: 15.4W" (WxDxH): 14.1" x 10.2" x 1.4-1.5"; 358.6mm x 260mm x 36-39mm 6-cell: starting at 6.4 lb (2.93kg) black Case color Case material Battery - type Battery - type Battery - life¹ 6-cell: up to 4.5 hr; 6-cell plus Ultrabay battery: up to 6.0 hr; 9-cell: up to 7.1 hr Chipset Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.06b/s, USB 2.0. PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) One slot (ExpressCard/34, ExpressCard/54) One slot (ExpressCard/34, ExpressCard/54) One slot (Type I, Type II), CardBus 32-bit Mini PCI Express Intel 5100²² 11n²² None Modem High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Security Power-on password, hard disk password, supervisor password, security keyhole Fingerprint reader Fingerprint reader on palm rest, swipe sensor, supports the security chip Fingerprint reader on palm rest, swipe sensor, supports the security chip | | | |
| Reyboard TrackPoint® Tr | 9.4500 | | |
| TräckPoint® TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label Illuminates the keyboard to improve visibility in low-light conditions Dimensions³ 6-cell 15.4 W" (WxDxH): 14.1" x 10.2" x 1.4-1.5"; 358.6mm x 260mm x 36-39mm 6-cell: starting at 6.4 lb (2.93kg) Case color Case material Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Battery - type Eattery = life¹o 6-cell: up to 4.5 hr; 6-cell plus Ultrabay battery: up to 6.0 hr; 9-cell: up to 7.1 hr Chipset Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express* 1.1, PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) One slot (ExpressSatord/34, ExpressCard/54) One slot (Type I. Type II), CardBus 32-bit Mini PCI Express Intel 5100²8 Intel 5100²8 Some: 11a/b/g/n wireless⁴, Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) MWAN 2G Turbo None None SKK V92® modem Bluetooth™ Bluetooth™ Silver on Bluetooth™ Chip Addio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack ASK6023 ThinkPlus 5-year P&L P/U Depot 45K6023 ThinkPlus 5-year P&L P/U Depot 45K6023 ThinkPlus 5-year P&L P/U Depot 45K6025 Post-warranty annual maintenance agreements at 45K6024 Post-warranty annual maintenance agreements at 45K6024 Post-warranty annual maintenance agreements at 45K6025 Post-warranty annual maintenance agreements at 45K6025 Post-warranty annual maintenance agreements at 45K6025 Post-warranty annual maintenance agreements | Keyboard | 89-key. ThinkVantage button, spill-resistant, multimedia En keys | Windows Live[™] Toolbar |
| UltraNav ^{m,*} wide touch pad below keyboard, Tap Zones, scrolling regions label "Illiminates the keyboard to improve visibility in low-light conditions" Dimensions ³ 6-cell 15.4W" (WxDxH): 14.1" x 10.2" x 1.4—1.5"; 358.6mm x 260mm x 36–39mm 6-cell: starting at 6.4 lb (2.93kg) black Case color Case color Deather of the color of | TrackPoint® | TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar ¹³ , magnifying glass | |
| Dimensions³ 6-cell 15.4W" (Wx0xH): 14.1" x 10.2" x 1.4—1.5"; 358.6mm x 260mm x 36–39mm 6-cell: starting at 6.4 lb (2.93kg) Weight² 6-cell: starting at 6.4 lb (2.93kg) Case color Case color black Case material Battery - type Battery - life¹⁰ 6-cell: up to 4.5 hr; 6-cell put but black Case material Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Chipset Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) Chipset One slot (ExpressCard/34, ExpressCard/54) One slot (ExpressCard/34, ExpressCard/54) One slot (ExpressCard/34, ExpressCard/54) One slot (Type I, Type II), CardBus 32-bit One Slot (Type II), CardBus 32-bit O | Touch pad | | |
| Dimensions 6-cell: 4-W" (WXDXPI): 14.1" X 10.2" X 1.4-1.5"; 358.6mm x 250mm x 359-39mm 6-cell: starting at 6.4 lb (2,93kg) Case color Case material Battery - type Battery - lile* Battery | ThinkLight™ | Illuminates the keyboard to improve visibility in low-light conditions | |
| Weight [®] Case color Case odor Case material Battery - type Olycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Battery - tife ¹⁰ G-cell: up to 4.5 hr; G-cell plus Ultrabay Enhanced Battery - tife ¹⁰ G-cell: up to 4.5 hr; G-cell plus Ultrabay Enhanced Battery - tife ¹⁰ G-cell: up to 4.5 hr; G-cell plus Ultrabay battery: up to 5.0 hr; g-cell: up to 5.0 hr; g- | Dimensions ³ | 6-cell 15.4W" (WxDxH): 14.1" x 10.2" x 1.4–1.5": 358.6mm x 260mm x 36–39mm | |
| Case material Battery - type Battery - tile® 6-cell: up to 4.5 hr; 6-cell plus Ultrabay battery; up to 6.0 hr; 9-cell: up to 7.1 hr Chipset Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.06b/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) One slot (ExpressCard/34, ExpressCard/54) One slot (Type I, Type II), CardBus 32-bit Smart Card Read Multicard Reader Ports Three USB 2.0, external monitor¹¹ (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) Three USB 2.0, external monitor¹¹ (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) Mini PCI Express Intel 5100²² Some: 11a/b/g/n wireless*, Mini-PCle adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) Some: 11a/b/g/n wireless, Mini-PCle Adapter II WWAN None None Modem Bottery - tile® 6-cell: up to 4.5 hr; 6-cell plus Ultrabay battery; up to 6.0 hr; 9-cell: up to 7.1 hr Supports ThinkVantage® technologies 65-watt (GMA graphics) AC adapter ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Silver rating ENERGY STAR® 5.0-compliant HoHS-compliant Ho | Weight ² | | Corei* willDvD* (DvD±Rvv) |
| Battery - type Battery - life¹⁰ 6-cell: up to 4.5 hr; 6-cell plus Ultrabay battery: up to 6.0 hr; 9-cell: up to 7.1 hr Chipset Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) One slot (ExpressCard/54) One slot (ExpressCard/54) One slot (Type I, Type II), CardBus 32-bit Smart Card Read Multicard Reader Ports Mini PCI Express Intel 5100²⁰ 111²⁰ 112³ 113²⁰ 111²⁰ 113² 113²⁰ 111²⁰ 113² 113²⁰ 111²⁰ 113² 113² | Case color | | |
| Batterý - lífe¹o 6-cell: up to 4.5 hr; 6-cell plus Últrabay batterý: up to 6.0 hr; 9-cell: up to 7.1 hr Chipset Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) One slot (ExpressCard/34, ExpressCard/54) One slot (Type I, Type II), CardBus 32-bit Smart Card Read Multicard Reader Ports Ports Time USB 2.0, external monitor¹¹ (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) Mini PCI Express Intel 5100²8 Some: 11a/b/g/n wireless⁴, Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) 11n²° Some: 11a/b/g/n wireless⁴, Mini-PCIe Adapter II WWAN None 2G Turbo None 56K V.92⁵ modem Bluetooth 1.1 wireless, LED indicator Ethernet (Intel AMT None Gigabit ethernet, Broadcom® BCM5787M (MAC/PHY), PCIe x1, PXE None Power-on password, hard disk password, supervisor password, security chip Security chip Fingerprint reader Fingerprint reader on palm rest, swipe sensor, supports the security chip Batterý Craphics Memory Controller Hub), (CGraphics Memory Controller Hub), (CH9M I/O Controller Hub), (CH9M I/O Ch2xpress® 1.1, PCI express® 1.1, PCI express 1.2, PCI express® 1.1, | | | |
| Chipset Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, Ethernet MAC), LPC bus (WPCN385 Super I/O) ExpressCard/54 PC Card One slot (Type I, Type II), CardBus 32-bit One slot (Type I, Type III), CardBus 32-bit One slot (Type IIIII), CardBus 32-bit One slot (Type IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | | | |
| ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) One slot (ExpressCard/34, ExpressCard/54) One slot (ExpressCard/34, ExpressCard/54) One slot (Type I, Type II), CardBus 32-bit Smart Card Reader Ports | | | |
| PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) One slot (ExpressCard/34, ExpressCard/54) One slot (Type II), CardBus 32-bit One slot (Type II), CardBus 32-bit None Multicard Reader Ports Three USB 2.0, external monitor¹¹ (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) Mini PCI Express Intel 5100²² Some: 11a/b/g/n wireless⁴, Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) Some: 11a/b/g/n wireless⁴, Mini-PCIe Adapter II WWAN None 2G Turbo UWB Modem Shore Modem Bluetooth™ Bluetooth™ Bluetooth™ Bluetooth™ Bluetooth™ Bluetooth™ Bluetooth™ Bluetooth™ Bluetooth™ Audio support Audio support Audio support Audio support Fingerprint reader PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) One slot (ExpressCard/54) None Alone None None None Audio support Audio support Fingerprint reader on palm rest, swipe sensor, supports the security chip PCI 2.3, security one slot (ExpressCard/54) One slot (Type II), CardBus 32-bit None High Definition (MD, Amemory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) Three USB 2.0, external monitor¹¹ (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), EEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) Two Mini PCI Express slots Some: 11a/b/g/n wireless⁴, Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) Some: 11a/b/g/n wireless⁴, Mini-PCIe Adapter II None 45K6021 ThinkPlus 4-year LOR 9x5 NBD 45K6022 ThinkPlus 5-year LOR 9x5 NBD 45K6022 ThinkPlus 5-year P&L P/U Depot 45K6025 Post-warranty annual maintenance agreements at | Chipset | Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), | Supports ThinkVantage® technologies |
| ExpressCard/54 PC Card One slot (Type I, Type II), CardBus 32-bit One slot (MAC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) Three USB 2.0, external monitor¹¹ (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (BJ-11), ethernet | | | 65 watt (GMA graphics) AC adapter |
| PC Card Smart Card Read None Smart Card Reader Ports Three USB 2.0, external monitor¹¹ (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) Mini PCI Express Intel 5100²²² Some: 11a/b/g/n wireless⁴, Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) 11n²²² Some: 11b/g/n wireless⁴, Mini-PCIe Adapter II WWAN None 2G Turbo None Modem Bluetooth¹™ Bluetooth¹™ Bluetooth¹™ Bluetooth² Gigabit ethernet, Broadcom® BCM5787M (MAC/PHY), PCIe x1, PXE Intel AMT Audio support Audio support Audio support PC Card None Audio support High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack / Power-on password, hard disk password, supervisor password, security chip Fingerprint reader Fingerprint reader Fingerprint reader on palm rest, swipe sensor, supports the security chip Mone Security Chip Securit | EvnressCard/54 | | |
| Multicard Reader Multicard Reader Ports Three USB 2.0, external monitor¹¹ (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) Mini PCI Express Intel 5100²²⁵ 111²⁵ Some: 11a/b/g/n wireless⁴, Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) Some: 11b/g/n wireless⁴, Mini-PCIe Adapter II WWAN None 2G Turbo None UWB None Bluetooth 2.1 wireless, LED indicator Ethernet Gigabit ethernet, Broadcom⁵ BCM5787M (MAC/PHY), PCIe x1, PXE None Audio support High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Binetoator Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Binetoator Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Binetoator Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Binetoator Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Binetoator Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Binetoator Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Binetoator Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Binetoator Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Binetoator Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Binetoator Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Binetoator Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Binetoator Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Binetoator Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Binetoator Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Binetoator Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Binetoator Trusted Platform Module, integrated in ICH9M, TCG 1.2-c | | | |
| Multicard Reader Ports Three USB 2.0, external monitor (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) Mini PCI Express Intel 5100 ²⁸ Two Mini PCI express slots Intel 5100 ²⁸ Some: 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) Some: 11b/g/n wireless ⁴ , Mini PCIe Adapter II WWAN None None UWB None UWB None Bluetooth 2.1 wireless, LED indicator Gigabit ethernet, Broadcom® BCM5787M (MAC/PHY), PCIe x1, PXE Intel AMT None Audio support High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant RoH3-compliant R | | | |
| Ports Three USB 2.0, external monitor¹¹ (VGA DB-15, DisplayPort), modem (RĴ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) Mini PCI Express Two Mini PCI Express slots Intel 5100²² Some: 11a/b/g/n wireless⁴, Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) 11n²² Some: 11b/g/n wireless, Mini-PCIe Adapter II WWAN None 2G Turbo None Modem S6K V.92⁶ modem Bluetooth™ Bluetooth™ Ethernet Gigabit ethernet, Broadcom® BCM5787M (MAC/PHY), PCIe x1, PXE Intel AMT None Audio support High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader Fingerprint reader on palm rest, swipe sensor, supports the security chip RoHS-compliant International Warranty Service¹¹ 24 hour x 7 day¹³ toll-free support during the warranty period¹² 24 hour x 7 day¹³ toll-free support during the warranty period¹² 24 hour x 7 day¹³ toll-free support during the warranty period¹² 25 hour x 7 day¹³ toll-free support during the warranty period¹² 26 hour x 7 day¹³ toll-free support during the warranty period¹² 27 hinkPlus 4-year LOR 9x5 NBD 45K6022 ThinkPlus 5-year LOR 9x5 NBD 45K6023 ThinkPlus 4-year P&L P/U Depot 45K6023 ThinkPlus 5-year P&L P/U Depot 45K6025 Post-warranty annual maintenance agreements at | Multicard Reader | 7-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) | ENERGY STAR® 5.0-compliant |
| Mini PCI Express Intel 5100 ²⁸ Some: 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) 11n ²⁸ Some: 11b/g/n wireless ⁴ , Mini PCIe adapter II WWAN None 2G Turbo None UWB None Bluetooth™ Bluetooth 2.1 wireless, LED indicator Ethernet Gigabit ethernet, Broadcom® BCM5787M (MAC/PHY), PCIe x1, PXE Intel AMT None Audio support High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Security Chip Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader Fingerprint reader on palm rest, swipe sensor, supports the security chip Two Mini PCI Express Slots 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) 24 hour x 7 day¹8 toll-free support during the warranty period¹² via 800-426-7378 ThinkPlus ¹² 3-year LOR ²⁴ 9x5 NBD 45K6021 ThinkPlus 5-year LOR 9x5 NBD 45K6022 ThinkPlus 5-year P&L P/U Depot 45K6023 ThinkPlus 5-year P&L P/U Depot 45K6025 Post-warranty annual maintenance agreements at | Ports | Three USB 2.0, external monitor ¹¹ (VGA DB-15, DisplayPort), modem (RJ-11), | |
| Intel 5100 ²⁸ Some: 11a/b/g/n wireless, Mini-PCle adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) 11n ²⁸ Some: 11b/g/n wireless, Mini-PCle Adapter II WWAN None 2G Turbo None UWB None Bluetooth 2.1 wireless, LED indicator Ethernet Gigabit ethernet, Broadcom® BCM5787M (MAC/PHY), PCle x1, PXE Intel AMT None Audio support High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Security Chip Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader Fingerprint reader on palm rest, swipe sensor, supports the security chip during the warranty period ¹² via 800-426-7378 ThinkPlus ¹² 3-year LOR 9x5 NBD 45K6021 ThinkPlus 5-year LOR 9x5 NBD 45K6022 ThinkPlus 5-year LOR 9x5 NBD 45K6023 ThinkPlus 4-year P&L P/U Depot 45K6023 ThinkPlus 5-year P&L P/U Depot 45K6025 Post-warranty annual maintenance agreements at | | ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) | |
| inter 510 | Mini PCI Express | Two Mini PCI Express slots | |
| WWAN None 2G Turbo None Modem 56K V.92 ⁶ modem Bluetooth 7 [™] Bluetooth 2.1 wireless, LED indicator Ethernet Gigabit ethernet, Broadcom® BCM5787M (MAC/PHY), PCle x1, PXE Intel AMT None Audio support High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Security Power-on password, hard disk password, supervisor password, security keyhole Security chip Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader Fingerprint reader on palm rest, swipe sensor, supports the security chip ThinkPlus 4-year LOR 9x5 NBD 45K6022 ThinkPlus 5-year LOR 9x5 NBD 45K6022 ThinkPlus 5-year LOR 9x5 NBD 45K6022 ThinkPlus 4-year P&L P/U Depot 45K6023 ThinkPlus 5-year P&L P/U Depot 45K6025 Post-warranty annual maintenance agreements at | | | |
| 2G Turbo UWB None Modem SoK V.92 ⁶ modem Bluetooth™ Bluetooth™ Ethernet Gigabit ethernet, Broadcom® BCM5787M (MAC/PHY), PCle x1, PXE Intel AMT Audio support Audio support Security Security Power-on password, hard disk password, supervisor password, security chip Fingerprint reader Fingerprint reader on palm rest, swipe sensor, supports the security chip TIMIK*RUS***-3-yeal LOR 9x5 N8D 45K6021 ThinkPlus 4-year LOR 9x5 NBD 45K6022 ThinkPlus 5-year LOR 9x5 NBD 45K6024 ThinkPlus 4-year P&L P/U Depot 45K6023 ThinkPlus 5-year P&L P/U Depot 45K6023 ThinkPlus 5-year P&L P/U Depot 45K6025 Post-warranty annual maintenance agreements at | | | VIA 600-420-7376 |
| UWB None Modem 56K V.926 modem Bluetooth ™ Bluetooth 2.1 wireless, LED indicator Ethernet Gigabit ethernet, Broadcom® BCM5787M (MAC/PHY), PCle x1, PXE Intel AMT None Audio support High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Security Chip Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader Fingerprint reader on palm rest, swipe sensor, supports the security chip ThinkPlus 4-year LOR 9x5 NBD 45K6022 ThinkPlus 5-year P&L P/U Depot 45K6023 ThinkPlus 5-year P&L P/U Depot 45K6025 Post-warranty annual maintenance agreements at | | | ThinkPlus™, 22 3-year LOR24 9x5 NBD |
| Modem Bluetooth | | | 45K6021 |
| Bluetooth™ Ethernet Intel AMT Audio support High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Security chip Fingerprint reader Fingerprint reader on palm rest, swipe sensor, supports the security chip Bluetooth 2.1 wireless, LED indicator HinkPlus 5-year LOR 9x5 NBD 45K6024 ThinkPlus 4-year P&L P/U Depot 45K6023 ThinkPlus 5-year P&L P/U Depot 45K6025 Post-warranty annual maintenance agreements at | | | |
| Ethernet Gigabit ethernet, Broadcom® BCM5787M (MAC/PHY), PCIe x1, PXE None Audio support High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader Fingerprint reader on palm rest, swipe sensor, supports the security chip | Bluetooth™ | | |
| Intel AMT Audio support Audio | Ethernet | | |
| Audio support High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, suppervisor password, security keyhole Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader Fingerprint reader on palm rest, swipe sensor, supports the security chip 45K6023 ThinkPlus 5-year P&L P/U Depot 45K6025 Post-warranty annual maintenance agreements at | Intel AMT | None | |
| volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Security Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader Fingerprint reader on palm rest, swipe sensor, supports the security chip ThinkPlus 5-year P&L P/U Depot 45K6025 Post-warranty annual maintenance agreements at | Audio support | | |
| Security Power-on password, hard disk password, supervisor password, security keyhole Security chip Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader Fingerprint reader on palm rest, swipe sensor, supports the security chip 45K6025 Post-warranty annual maintenance agreements at | | | |
| Security chip Irusted Platform Module, Integrated in ICH9M, TCG 1.2-compliant Fingerprint reader Fingerprint reader on palm rest, swipe sensor, supports the security chip Post-warranty annual maintenance agreements at | | | |
| agreements at | | | Post-warranty annual maintenance |
| Limited warranty ¹² 3-years/1-yr battery - depot repair service / service upgrades ²² available lenovo.com/thinkplus/warranty | | | |
| <u>'</u> | Limited warranty | - 3-years/1-yr dattery - depot repair service / service upgrades-2 available | ienovo.com/tninkplus/warranty |

ThinkPad® R500 Accessories

| | | La | |
|---|---|---|---|
| Memory 1GB PC3-8500 DDR3 SODIMM 1GB PC3-8500 DDR3 SODIMM (25-Pack) 2GB PC3-8500 DDR3 SODIMM (25-Pack) 2GB PC3-8500 DDR3 SODIMM (25-Pack) 1GB PC3-8500 DDR3 Low-Halogen SODIMM 1GB PC3-8500 DDR3 L-H SODIMM (25-Pack) 2GB PC3-8500 DDR3 L-H SODIMM (25-Pack) |)57Y4385 ann 06/23/09 55Y3707 ann 06/23/09 | Security Kensington® MicroSaver® Cable Lock Kensington Twin Head Cable Lock T500/R500/W500 Series 15W Privacy Filter USB Gemplus GemPC Smart Card Reader PC Card Gemplus Smart Card Reader ExpressCard Gemplus Smart Card Reader Batteries | 41N3040 ann 02/21/06 41N3004 ann 12/13/05 |
| Ultrabay Slim 9.5mm Serial ATA Hard Drive Bay Adapter III ⁴⁸ DVD-ROM Ultrabay Slim SATA 1.5Gb/s ⁴⁸ CD-RW/DVD-ROM Ultrabay Slim SATA ⁴⁹ DVD Burner Ultrabay Slim SATA 1.5Gb/s ⁴⁸ ⁴⁸ Slim 9.5mm device in 12.7mm bay shows | 43N3412 ann 06/23/09 43N3212 ann 08/05/08 43N3213 ann 08/05/08 43N3214 ann 08/05/08 | ThinkPad Battery 41+ (6-cell) ThinkPad Battery 41++ (9-cell) ThinkPad Battery 42 (3-cell, bay) ⁴³ ⁴³ Used in Ultrabay Slim bay. ThinkPad External Battery Charger ⁴⁴ ⁴⁴ Requires the <i>ThinkPad 90W AC Adapter</i> 40Y7659 or the adapter provided with the s | |
| Illtrobox Enhanced 10 7mm | | More information at www.lenovo.com/allda | ycomputing |
| Ultrabay Enhanced 12.7mm DVD-ROM Ultrabay Enhanced SATA 1.5Gb/s DVD Burner Ultrabay Enh SATA 1.5Gb/s Blu-ray™ Burner Ultrabay Enh SATA 1.5Gb/s | 43R9147 ann 08/05/08 43R9149 ann 08/05/08 43R9150 ann 08/05/08 | ThinkPad 65W AC Adapter ⁴⁵ ⁴⁵ Only compatible with the integrated graph ThinkPad 90W AC Adapter 90W Ultraslim AC/DC Combo Adapter | 40Y7696 ann 01/05/06 lics models. 40Y7659 ann 09/20/05 41R4493 ann 09/22/09 |
| Storage and removable storage 160GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ 160GB Disk SATA 1.5Gb/s (7200 rpm) ⁴¹ 250GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ | 41N5692 ann 03/20/07 41N5737 ann 10/16/07 43R8152 ann 01/15/08 | More info at www.lenovo.com/support/pov Charging tips for 90W Ultraslim AC/DC Com Palm device charge tip (L7) | bo Adapter 41R4493 41R4315 ann 12/18/07 |
| 250GB Disk FDE SATA 1.5Gb/s (7200 rpm) ⁴¹ 320GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ 320GB Disk SATA 1.5Gb/s (7200 rpm) ⁴¹ 500GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ 500GB Disk SATA 3.0Gb/s (7200 rpm) ⁴¹ | 43N3410 ann 01/20/09 43N3403 ann 08/05/08 43N3411 ann 01/20/09 43N3420 ann 06/23/09 43N3423 ann 01/07/10 | BlackBerry charge tip (L8a) iPod and iPhone Charge Tip (L10a) Generic Micro USB charge tip (L18) More information at www.lenovopowertips | 41R4478 ann 12/18/07 41R4481 ann 12/18/07 41R4490 ann 01/06/09 .com |
| 41 Can be used as the main HDD or with Serial ATA Hard Drive Bay Adapter III | | Carrying Cases Up to 15.4" widescreen models: | |
| 128GB SSD SATA 3.0Gb/s 1.8" (2.5" cover) | 43N3406 ann 08/26/08 | ThinkPad 15W Case Sleeve | 51J0477 ann 08/18/09 |
| USB 2.0 Essential Memory Key 4GB USB 2.0 Essential Memory Key 8GB USB 2.0 Essential Memory Key 32GB USB 2.0 Ultra Secure Memory Key 1GB USB 2.0 Ultra Secure Memory Key 2GB USB 2.0 Ultra Secure Memory Key 4GB | 45J7904 ann 06/24/08 45J7905 ann 07/15/08 45K1258 ann 10/28/08 45J5915 ann 08/26/08 45J5916 ann 08/26/08 45J5917 ann 08/26/08 | Lenovo Business Messenger Case Lenovo Messenger Max Lenovo Performance BackPack Checkpoint Friendly Business Topload Case ThinkPad Business Topload Case ThinkPad Business Backpack ThinkPad Deluxe Expander Case ThinkPad Fxecutive Leather Case | 51J0475 ann 08/18/09 41U5253 ann 05/01/07 41U5254 ann 05/01/07 51J0418 ann 05/05/09 43R2476 ann 05/13/08 43R2482 ann 05/13/08 43R2478 ann 05/13/08 |
| USB 2.0 Ultra Secure Memory Key 8GB USB 2.0 Portable 320GB Hard Disk | 45J5918 ann 08/26/08 45K1689 ann 03/17/09 | ThinkPad Executive Leather Case Lenovo luxury cases at www.lenovoluxuryo | 43R2480 ann 05/13/08 |
| USB 2.0 Portable 500GB Hard Disk USB 2.0 Portable Secure 160GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk eSATA/USB 2.0 Secure 500GB Hard Drive USB 2.0 Super Multi-Burner Drive USB 2.0 Portable DVD Burner | 45K1690 ann 05/26/09 43R2018 ann 11/18/08 43R2019 ann 11/18/08 57Y4400 ann 01/07/10 41N5565 ann 01/23/07 43N3264 ann 01/05/10 | Monitors ThinkVision® L1711p 17" Monitor ThinkVision L1900p 19" Monitor ThinkVision L1951p Wide 19" Monitor ThinkVision L2250p Wide 22" Monitor | 5047HB2 ann 10/20/09 4431HE1 ann 11/11/08 2448HB6 ann 10/20/09 2572HB6 ann 10/20/09 |
| ThinkPad Expansion Lenovo® Essential Notebook Stand USB Port Replicator with Digital Video ThinkPad Advanced Mini Dock | 45J9292 ann 05/12/09 45K1610 ann 07/28/09 250410U ann 09/20/05 | ThinkVision L2251p Wide 22" Monitor ThinkVision L2251x Wide 22" Monitor ThinkVision L2440p Wide 24" Monitor Monitor Accessories ⁴⁶ | 2572HD6 ann 10/20/09 2578HB6 ann 10/20/09 4420HB2 ann 09/17/08 |
| Keyboard TrackPoint Cap Collection USB Numeric Keypad Preferred Pro USB Keyboard Enhanced Performance USB Keyboard Ultraslim Wireless Keyboard and Mouse ⁵² ⁵² Wireless via 2.4GHz technology using a mi ThinkPad USB Keyboard with TrackPoint Lenovo® USB Fingerprint Keyboard Lenovo USB Smartcard Keyboard | 73P2698 ann 12/16/03 33L3225 ann 05/01/00 73P5220 ann 06/21/05 73P2620 ann 03/23/04 57Y4700 ann 09/15/09 icro-size USB receiver. 55Y9003 ann 08/18/09 73P4730 ann 02/22/05 51J0155 ann 03/24/09 | Lenovo USB-to-DVI Monitor Adapter Lenovo DisplayPort to VGA Monitor Cable DisplayPort to Single-link DVI-D Cable ThinkVision USB Soundbar ThinkVision Soundbar Kensington MicroSaver Cable Lock Kensington Twin Head Cable Lock Lenovo Easy Reach Monitor Stand Radial Arm 46 Compatible on selected Lenovo and Thin | 45K5296 ann 05/12/09 57Y4393 ann 08/04/09 45J7915 ann 08/05/08 40Y7616 ann 08/23/05 45K1263 ann 09/16/08 73P2582 ann 12/29/03 45K1620 ann 09/30/08 55Y9258 ann 09/22/09 19K4464 ann 05/05/00 kVision monitors. |
| Mouse | | More information at www.lenovo.com/supp | ort/monitoraccessories |
| Lenovo Mini Optical Mouse - Black (USB) Lenovo Mini Optical Mouse - White (USB) Lenovo Optical Mouse (USB) Lenovo Laser Mouse (USB) ThinkPad USB Laser Mouse Lenovo ScrollPoint® Mouse (USB, Optical) ThinkPad Travel Mouse (USB, Optical) ThinkPad Bluetooth Laser Mouse | 55Y9308 ann 05/19/09 55Y9309 ann 05/19/09 06P4069 ann 05/21/03 41U3074 ann 01/23/07 57Y4635 ann 12/15/09 31P7405 ann 08/27/02 31P7410 ann 06/04/02 41U5008 ann 01/22/08 | For more information on ThinkPad accessor www.lenovo.com/support/accessories www.lenovo.com/support/notebookacces www.lenovo.com/support/security | es, please visit: |
| Multimedia ThinkPad In-Ear Headphones | 57Y4488 ann 01/07/10 | Other accessories at www.lenovo.com/acc Accessories Guide pdf at www.lenovo.com/ | |
| | | | |

ThinkPad_®



Lenovo® ThinkPad T400



PC3-8500 DDR3 Low-Halogen SODIMM 1GB 55Y3706 2GB 55Y3707 4GB 55Y3708



Lenovo ThinkPad T400 with ThinkPad T400/T410/R400 Privacy Filter 43R2472



Lenovo ThinkPad T400



Lenovo ThinkPad T400



Lenovo ThinkPad T400

| | Wide- CCFL Disk Mini PCle Mini PCle Mini PCle Finger | | | | | | |
|-----------------------------|--|--------|----------------|--------------------------|--------------------|------------------------------------|--------|
| Proc- | screen | | m-Integrated S | | 802.11 WWAN | UWB print Blue- Card | Avail |
| Type-model essor GHz Memory | display | LED er | a graphics GB | ⁸ rpm optical | wireless | or Turbo reader tooth slot Preload | date |
| 6473-4111 P8700 2 53 2GB 14 | L1" WXGA | LED Ca | m GMA 3200 | 3 7200 DVD+RW | ♣Intel 510028 None | None Finger Blue PC XP Pro C |)ct 09 |

6473-41U P8700 2.53 2GB 14.1" WXGA LED Cam GMA 320G 7200 DVD±RW :Intel 510028 None None Finger Blue PC XP Pro Oct 09 6473-43U P8700 2.53 2GB 14.1" WXGA LED Cam GMA 128G SSD DVD±RW :Intel 5100 None None Finger Blue PC XP Pro Oct 09

These small and medium business (SMB) models are part of the US TopSeller™ Program

| Processor Intel | miere performance; two spindles I [®] Core™ 2 Duo processor P8700 with dual-core, I HD Boost,1066MHz system bus, and 3MB L2 cache | Preloaded operating system ²⁰ - Windows® XP Professional preinstalled through downgrade |
|--|---|---|
| dual | 3 std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, l-channel capable, two 204-pin SO-DIMM sockets; <i>n-italics:</i> standard memory in one socket; one socket available | rights in Genuine Windows 7 Professional 32 Preloaded applications ¹⁴ (only some |
| Ultrabay Slim One SATA disk Som | D burner, SATA 1.5Gb/s, 9.5mm Ultrabay slim, removable modular bay for interchangeable devices (right side), 9.5mm high bay, flat bezel me: 128GB ⁸ Solid State Drive (SSD) / SATA 3.0Gb/s, 1.8" wide, 8mm high me: 320GB (7200 rpm) / SATA 1.5Gb/s, 2.5" wide, 9.5mm high, Active Protection System™ removable, upgradable, supports 2nd disk, Shock Mounted Hard Drive | listed) • Rescue and Recovery™ • Access Connections™ • Client Security Solution™ • ThinkVantage Productivity Center • ThinkVantage System Update |
| display 200 | " (358.1mm) WXGA (1280x800) color , anti-glare, LED backlight , nits, 16:10 aspect ratio, 300:1 contrast ratio nera on top of screen, 1.3-megapixel, fixed focus | Fingerprint Software (fingerprint models) McAfee VirusScan[®] Plus with SiteAdvisor™ (30 days of |
| graphics DVI | l Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45, pass-through support to optional Advanced Mini Dock or Advanced Dock; simum external resolution: 2048x1536@75Hz | virus definitions) Lenovo System Toolbox ThinkPad Utilities (Power Manager |
| TrackPoint® Track Touch pad Ultra | key, ThinkVantage button, spill-resistant, multimedia Fn keys ckPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass aNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label ninates the keyboard to improve visibility in low-light conditions | and Presentation Director) • Adobe® Reader® • Microsoft® Office 2007 Trial (60-day) • Roxio® Creator® Business Edition (DVD±RW) |
| Weight ² 6-ce Case material Battery - type Lithin | ell 14.1W" (WxDxH): 13.2" x 10.6" x 1.1–1.3"; 335.5 x 270mm x 28–32mm ell: starting at 5.0 lb (2.3kg) : Super-Elastic PolyCarbonate (SEPC); Bottom: Carbon-Fiber Reinforced Plastic ium Ion 6-cell, supports unique 2nd battery in Ultrabay Slim ell: up to 6.5 hr; 6-cell plus Ultrabay battery: up to 8.0 hr; 9-cell: up to 9.8 hr | Roxio MyDVD® (DVD±RW) Corel® WinDVD® (DVD±RW) Supports ThinkVantage® technologies |
| ExpressCard/54 One PC Card One Smart Card Reader None Ports Three IEEE | ee ee USB 2.0, external monitor (VGA DB-15), modem (RJ-11), ethernet (RJ-45), E 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) | 65-watt (GMA graphics) AC adapter ThinkPad Roll Cage and Top Cover Roll Cage (one-piece magnesium) Climate Savers® certified EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support during the warranty period¹2 |
| Intel 5100 ²⁸ 11a/ WWAN upg None 2G Turbo None UWB None | ne ne | via 800-426-7378 ThinkPlus ^{TM, 22} 3-year LOR ²⁴ 9x5 NBD 45K6021 ThinkPlus 4-year LOR 9x5 NBD |
| Bluetooth™ Blue | V.92 ⁶ modem etooth 2.1 wireless, LED indicator I 82567LF Gigabit Network Connection (Boazman), PHY, PCIe x1 | 45K6022 ThinkPlus 5-year LOR 9x5 NBD 45K6024 |
| Audio support High volum Security Pow Security chip Trus Fingerprint reader Fing | n Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / me up, down, mute buttons / digital microphone, mic input jack, headphone jack ver-on password, hard disk password, supervisor password, security keyhole sted Platform Module, integrated in ICH9M, TCG 1.2-compliant gerprint reader on palm rest, swipe sensor, supports the security chip | ThinkPlus 4-year P&L P/U Depot 45K6023 ThinkPlus 5-year P&L P/U Depot 45K6025 Post-warranty annual maintenance agreements at |
| Limited warranty ¹² 3-ye | ears/1-yr battery - depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty |

See footnotes for important warranty information US models announced October 22, 2009

-: Intel Centrino® 2 processor technology

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| | Wide- | CCFL | Disk | | Mini PCle | Mini PCIe Mini PCIe Finger | | | | | | | |
|-----------------------------|---------|--------------------|----------------------|---------|-----------|----------------------------|----------|---------------------------|-------|--|--|--|--|
| Proc- | screen | or Cam-Integrated | | SATA | 802.11 | WWAN | UWB | print Blue-Card | Avail | | | | |
| Type-model essor GHz Memory | display | LED era graphics G | B ⁸ rpm o | optical | wireless | | or Turbo | reader tooth slot Preload | date | | | | |

6473-4FU P8700 2.53 2GB 14.1" WXGA LED Cam GMA 320G 7200 DVD±RW : Intel 5100²⁸ None Finger Blue PC Pro 32 Oct 09 6473-5BU P8700 2.53 2GB 14.1" WXGA LED Cam GMA 320G 7200 DVD±RW : Intel 5100 Verizon¹⁶ None Finger Blue PC Pro 32 Nov 09

These small and medium business (SMB) models are part of the US TopSeller™ Program

| Positioning Processor | Premiere performance; two spindles Intel® Core™ 2 Duo processor P8700 with dual-core, Intel HD Boost,1066MHz system bus, and 3MB L2 cache | Preloaded operating system ²⁰ - Genuine Windows® 7 Professional 32 |
|---|---|--|
| Memory | 2GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Non-italics:</i> standard memory in one socket; one socket available | Preloaded applications¹⁴ (only some listed) • Rescue and Recovery™ |
| SATA DVD±RW Ultrabay Slim SATA disk | DVD burner, SATA 1.5Gb/s, 9.5mm Ultrabay slim, removable One modular bay for interchangeable devices (right side), 9.5mm high bay, flat bezel 320GB ⁸ (7200 rpm) / SATA 1.5Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports 2nd disk, ThinkPad Shock Mounted Hard Drive, Active Protection System™ | Access Connections [™] Password Manager ThinkVantage Power Manager ThinkVantage System Update Fingerprint Software (fingerprint |
| Widescreen display Camera | 14.1" (358.1mm) WXGA (1280x800) color, anti-glare, LED backlight, 200 nits, 16:10 aspect ratio, 300:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus | models) ThinkVantage Toolbox Lenovo Online Data Backup Norton™ Internet Security 2009 |
| Integrated graphics | Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45, DVI pass-through support to optional Advanced Mini Dock or Advanced Dock; Maximum external resolution: 2048x1536@75Hz | (30 days of virus definitions) • Adobe® Reader® • Adobe Flash® Player |
| Keyboard TrackPoint® Touch pad ThinkLight™ | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label Illuminates the keyboard to improve visibility in low-light conditions | Skype™ for Windows Microsoft® Office 2007 Trial (60-day) Microsoft Research AutoCollage Touch Roxio® Creator® Business Edition |
| Dimensions ³ Weight ² Case material Battery - type Battery - life ¹⁰ | 6-cell 14.1W" (WxDxH): 13.2" x 10.6" x 1.1–1.3"; 335.5 x 270mm x 28–32mm 6-cell: starting at 5.0 lb (2.3kg) Top: Super-Elastic PolyCarbonate (SEPC); Bottom: Carbon-Fiber Reinforced Plastic Lithium Ion 6-cell, supports unique 2nd battery in Ultrabay Slim 6-cell: up to 6.5 hr; 6-cell plus Ultrabay battery: up to 8.0 hr; 9-cell: up to 9.8 hr | (DVD±RW) • Roxio MyDVD® (DVD±RW) • Corel® WinDVD® (DVD±RW) |
| Chipset | Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), | Supports ThinkVantage® technologies |
| ExpressCard/54 PC Card Smart Card Read Multicard Reader Ports | ICH9M-Enhanced I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) One slot (ExpressCard/34, ExpressCard/54) One slot (Type I, Type II), CardBus 32-bit None None Three USB 2.0, external monitor (VGA DB-15), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) | 65-watt (GMA graphics) AC adapter ThinkPad Roll Cage and Top Cover Roll Cage (one-piece magnesium) Climate Savers® certified EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹7 |
| Mini PCI Express Intel 5100 ²⁸ Verizon ¹⁶ | Three Mini PCI Express slots 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) Some: Wireless WAN, Qualcomm Gobi 1000 chipset, Mini PCIe adptr, EV-DO Rev. A, GRESWOND (ALSPA GRESS CONTROL | 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 |
| 2G Turbo UWB Modem | GPRS/WCDMA/HSPA, GPS, service contract required with Verizon® None None 56K V.92® modem | ThinkPlus™.22 3-year LOR24 9x5 NBD 45K6021 ThinkPlus 4-year LOR 9x5 NBD |
| Bluetooth™ Ethernet Intel AMT | Bluetooth 2.1 wireless, LED indicator Intel 82567LF Gigabit Network Connection (Boazman), PHY, PCIe x1 None | 45K6022 ThinkPlus 5-year LOR 9x5 NBD 45K6024 |
| Audio support | High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, mic input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole | ThinkPlus 4-year P&L P/U Depot 45K6023 ThinkPlus 5-year P&L P/U Depot |
| Security chip Fingerprint reader | 4FU model: Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader on palm rest, swipe sensor, supports the security chip | Post-warranty annual maintenance agreements at |
| Limited warranty ¹² | 3-years /1-yr battery - EasyServ™.19 depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty |

See footnotes for important warranty information
♣: Intel Centrino® 2 processor technology
■: US model announced November 3, 2009; previous model on October 22, 2009

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| Wide- CCFL Proc- screen or Cam- Integrate | | | Disk | SATA | Mini PCle Mini PCle Mini PCleFinger 802.11 WWAN UWB print Blue-Card Pre- A | | | | | | | Avail | | | |
|---|-------------|---------------------|-------|------|---|------------------------|----------------|---------------|--------|----------|------|-------|----|--------|--------|
| Type-model esse | | screen y display | | | | cs GB ⁸ rpm | optical | wireless | | or Turbo | | | | | date |
| 7417-21U P86 | 00 2.40 2GB | 14.1" WXGA | LED | | GMA | 250G 5400 | DVD±RW | - Intel 5100² | 8 None | None | Fing | | РС | XP Pro | Oct 09 |
| 7417-23U P86 | 00 2.40 2GB | 14.1" WXGA | LED (| Cam | GMA | 320G 5400 | DVD ±RW | | None | None | Fing | Blue | PC | XP Pro | Oct 09 |

These small and medium business (SMB) models are part of the US TopSeller™ Program

| Memory 2GB std 7GB max* / Pc-3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; Non-Halics: standard memory in one socket one socket evailable SATA DDE-RW VD burner, SATA 1.5Gbx, 9.5mm Ultrabay Slim, removable (48N3214) One mordular bay for interchangeable devices (right side), 9.5mm high bay, flat bezel 25GB* (6400 pm) or 320GB (4400 | | | |
|--|--|---|---|
| dual-channel capable, two 204-pin SO-DIMM sockets. Non-idalizes standard memory in one socket available SATA DVD-RW VD burner, SATA 1.5Gb/s, 9.5mm Ultrabay Slim, removable (48N2214) One modular bay for interchangeable device (right side), 9.5mm high bay, flat bezel 25GB² (6400 pm) or 320GB (64 | Processor | Intel® Core™ 2 Duo processor P8600 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache | - Windows® XP Professional |
| Ultrabay Slim SATA disk Sato disk disk Sato d | Memory | dual-channel capable, two 204-pin SO-DIMM sockets; | rights in Genuine Windows 7 |
| of display 200 nils, 16:10 aspect ratio, 30:1 contrast ratio some: camera on top of screen, 1.3-megapixel, fixed focus some: camera on top of screen, 1.3-megapixel, fixed focus integrated graphics and the graphics of the property of the | SATA DVD±RW Ultrabay Slim SATA disk | One modular bay for interchangeable devices (right side), 9.5mm high bay, flat bezel 250GB ⁸ (5400 rpm) or 320GB (5400 rpm) / SATA 1.5Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports 2nd disk, | listed) Rescue and Recovery™ Access Connections™ Client Security Solution™ |
| Integrated graphics graphics DVI pass-through support to optional Advanced Mini Dock or Advanced Dock; Maximum external resolution: 2048x1536@75Hz (VGA DB-15) Keyboard B9-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint* TrackPoint* outral as a spill button and below keyboard, Tap Zones, scrolling regions label Illuminates the keyboard to improve visibility in low-light conditions Dimensions* G-cell 14.1 N/" (WxDxH): 13.2" x 10.6" x 1.1—1.3"; 335.5 x 270mm x 28–32mm G-cell starting at 5.0 ib (2.3kg) Battery - type Battery - type Battery - type Battery - life* G-cell in the IdM36 Express Chipset Chipset Thipset Thipset Mobile Intel GM36 Express Chipset (Graphics Memory Controller Hub), Cley Card One slot (Type I, Type II), CardBus 32-bit None Multicard reader Ports Three USB 2.0, external monitor (VGA DB-15), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) Mini PCI Express Intel 5100°8 MWAN upg 2G Turbo UWB Modem S6K V.92° modem Modem Sethernet Intel 32567LF Gigabit Network Connection (Boazman), PHY, PCIe x1 None Modem Modem Modem Sethery on password, hard disk password, supervisor password, security kephole Fingerprint reader on palm rest, swipe sensor, supports the security chip Fingerprint reader on palm rest, swipe sensor, supports the security chip Fingerprint reader on palm rest, swipe sensor, supports the security chip Tinkel ADT None Action | Widescreen display Camera | 200 nits, 16:10 aspect ratio, 300:1 contrast ratio | ThinkVantage System UpdateFingerprint Software |
| TrackPoint® Touch pad ThinkLight™ Dimensions® Ultrakaw™, wide touch pad below keyboard, Tap Zones, scrolling regions label Illuminates the keyboard to improve visibility in low-light conditions Timensions® G-cell 14.1W" (WxDxH): 13.2" x 10.6" x 1.1−1.3"; 335.5 x 270mm x 28−32mm G-cell* starting at 5.0 lb (2.3kg) Black Case color Case material Battery - type Battery - type Battery - life® G-cell. up to 6.5 hr; G-cel plus Ultrabay battery: up to 8.0 hr; G-cell* up to 9.8 hr Chipset Mobile Intel GMA5 Express Chipset (Graphics Memory Controller Hub), ICH9M-Enhanced I/O Controller Hub (SATA 3.06b/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) ExpressCard/54 One slot (ExpressCard/34, ExpressCard/54) One slot (ExpressCard/34, ExpressCard/54) One slot (Type 1, Type II), CardBus 32-bit None Three USB 2.0, external monitor (VGA DB-15), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) Mini PCI Express Intel 5100²® WWAN upg 2G Turbo None Bluetooth™ Some: Bluetooth 2.1 wireless, LED indicator Some: Bluetooth 2.1 wireless, LED indicator Some: Bluetooth 2.1 wireless, LED indicator None Bluetooth™ High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, mic input jack, headphone jack Post-warranty annual maintenance agreements at 45K5976 Post-warranty annual m | | DVI pass-through support to optional Advanced Mini Dock or Advanced Dock; | Adobe® Réader® Roxio® Creator® Business Edition |
| Dimensions of C-cell: with the keyboard to improve visibility in low-light conditions Meight | Keyboard TrackPoint® | TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar13, magnifying glass | Supports ThinkVantage® technologies |
| Dimensions 6-cell 14.1/W" (WxDxH): 13.2" x 10.6" x 1.1-1.3"; 335.5 x 270mm x 28–32mm 6-cell: starting at 5.0 lb (2.3kg) Gase color Case material 70p: Super-Elastic PolyCarbonate (SEPC); Bottom: Carbon-Fiber Reinforced Plastic Hibitum Ion 6-cell, supports unique 2nd battery in Ultrabay Slim 6-cell: up to 6.5 hr; 6-cell lpu Ultrabay battery: up to 8.0 hr; 9-cell: up to 9.8 hr Chipset Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M-Enhanced I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) ExpressCard/54 One slot (ExpressCard/54, ExpressCard/54) One slot (Type I, Type II), CardBus 32-bit None Mone York 11.4/b/g/n wireless*, Mini PCI Express Intel 5100²e None None None None None None None Non | ThinkLight™ | Illuminates the keyboard to improve visibility in low-light conditions | |
| CH9M-Enhanced I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) ExpressCard/54 PC Card Smart Card read rond None Multicard reader Ports Mini PCI Express Intel 5100 ²⁸ UWB None Wodem Bluetooth TM Bluetooth TM Bluetooth TM Check Bluetooth TM Addio support Mini PCI Mone Mone High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, mic input jack, headphone jack Power-on password, hard disk password, supervisor password, security chip Fingerprint reader ICH9M-Enhanced I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI Express® 1.1, PCI Express® 1.1, PCI Express 1.1, PCI Express 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) Via 800-426-7378 ThinkPlus ^{TM-22} 1-year LOR ²⁴ 9x5 NBD 45K5968 ThinkPlus 2-year LOR 9x5 NBD 45K5968 ThinkPlus 3-year LOR 9x5 NBD 45K5970 ThinkPlus 4-year LOR 9x5 NBD 45K5975 ThinkPlus 5-year LOR 9x5 NBD 45K5975 ThinkPlus 5-year LOR 9x5 NBD 45K5975 ThinkPlus 5-year LOR 9x5 NBD 45K5975 ThinkPlus 2-year P&L P/U Depot 45K5975 ThinkPlus 3-year P&L P/U Depot 45K5975 ThinkPlus 4-year P&L P/U Depot 45K5972 ThinkPlus 4-year P&L P/U Depot 45K5972 ThinkPlus 4-year P&L P/U Depot 45K5976 ThinkPlus 5-year P&L P/U Depot 45K5972 ThinkPlus 5-year P&L P/U Depot 45K5972 ThinkPlus 5-year P&L P/U Depot 45K5975 ThinkPlus 5-year P&L P/U Depot 45K5976 ThinkPlus 6-year P&L P/U Depot 45K5976 ThinkPlus 6-year P&L P/U Depot 45K5976 ThinkPlus 6-year P&L P/U Depot 45K5976 ThinkPlus 6- | Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰ | 6-cell: starting at 5.0 lb (2.3kg) Black Top: Super-Elastic PolyCarbonate (SEPC); Bottom: Carbon-Fiber Reinforced Plastic Lithium Ion 6-cell, supports unique 2nd battery in Ultrabay Slim | Roll Cage (one-piece magnesium) Climate Savers® certified EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹7 |
| PC Card Smart Card read box Mone Multicard reader Ports Mone Three USB 2.0, external monitor (VGA DB-15), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) Mini PCI Express Intel 5100 ²⁸ WWAN upg 2G Turbo UWB None Modem S6K V.92 ⁶ modem Bluetooth TM Ethernet Intel 82567LF Gigabit Network Connection (Boazman), PHY, PCIe x1 Intel AMT Audio support High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, mic input jack, headphone jack Security Security chip Fingerprint reader One slot (Type I), ĆardBus 32-bit A5K5968 ThinkPlus 2-year LOR 9x5 NBD 45K5969 ThinkPlus 3-year LOR 9x5 NBD 45K5970 ThinkPlus 4-year LOR 9x5 NBD 45K5970 ThinkPlus 4-year LOR 9x5 NBD 45K5973 ThinkPlus 2-year P&L P/U Depot 45K5975 ThinkPlus 2-year P&L P/U Depot 45K5971 ThinkPlus 3-year P&L P/U Depot 45K5972 ThinkPlus 4-year P&L P/U Depot 45K5974 ThinkPlus 4-year P&L P/U Depot 45K5974 ThinkPlus 5-year P&L P/U Depot 45K5976 ThinkPlus 4-year P&L P/U Depot 45K5976 ThinkPlus 5-year P&L P/U Depot 45K5976 ThinkPlus 4-year P&L P/U Depot 45K5976 ThinkPlus 5-year P&L P/U Depot 45K5976 ThinkPlus 4-year P&L P/U Depot 45K5976 ThinkPlus 5-year P&L P/U Depot 45K5976 ThinkPlus 4-year P&L P/U Depot 45K5976 | Chipset | ICH9M-Enhanced I/O Controller Hub (SATÁ 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) | during the warranty period 12 |
| ThinkPlus 2-year LOR 9x5 NBD A5K5969 ThinkPlus 3-year LOR 9x5 NBD A5K5970 ThinkPlus 3-year LOR 9x5 NBD A5K5973 ThinkPlus 4-year LOR 9x5 NBD A5K5973 ThinkPlus 4-year LOR 9x5 NBD A5K5973 ThinkPlus 3-year LOR 9x5 NBD A5K5973 ThinkPlus 3-year LOR 9x5 NBD A5K5973 ThinkPlus 4-year LOR 9x5 NBD A5K5973 ThinkPlus 4-year LOR 9x5 NBD A5K5973 ThinkPlus 3-year LOR 9x5 NBD A5K5975 ThinkPlus 4-year LOR 9x5 NBD A5K5973 ThinkPlus 3-year LOR 9x5 NBD A5K5975 ThinkPlus 4-year LOR 9x5 NBD A5K5973 ThinkPlus 3-year LOR 9x5 NBD A5K5975 ThinkPlus 3-year LOR 9x5 NBD A5K5975 ThinkPlus 4-year LOR 9x5 NBD A5K5970 ThinkPlus 3-year LOR 9x5 NBD A5K5975 ThinkPlus 3-year LOR 9x5 NBD A5K5976 ThinkPlus 3-year LOR 9x5 NBD A5K5976 ThinkPlus 3-year LOR 9x5 NBD A5K5976 ThinkPlus 3-year LOR 9x5 NBD A5K5970 ThinkPlus 3-year LOR 9x5 NBD A5K5976 ThinkPlus 3-year LOR 9x5 NBD A5K5970 ThinkPlus 3-year LOR 9x5 NBD A5K5976 ThinkPlus 3-year LOR 9x5 NBD A5K5976 ThinkPlus 3-year LOR 9x5 NBD A5K5970 ThinkPlus 4-year L | PC Card | One slot (Type I, Type II), CardBus 32-bit | |
| Intel 938 2.0, external minitor (vonA DB-13), modern (RJ-17), enternet (RJ-43), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) Mini PCI Express Intel 5100 ²⁸ Intel 6238 2.0, external minitor (vonA DB-13), modern (RJ-14), enternet (RJ-43), and standard) ThinkPlus 3-year LOR 9x5 NBD 45K5973 ThinkPlus 4-year LOR 9x5 NBD 45K5973 ThinkPlus 5-year LOR 9x5 NBD 45K5975 ThinkPlus 4-year LOR 9x5 NBD 4 | Smart Card read Multicard reader | None | ThinkPlus 2-year LOR 9x5 NBD |
| Mini PCI Express Intel 5100 ²⁸ Intel 5100 ²⁸ Intel 5100 ²⁸ WWAN upg 2G Turbo None None None Modem Sekt V.92 ⁶ modem Bluetooth™ Ethernet Intel 82567LF Gigabit Network Connection (Boazman), PHY, PCIe x1 Intel AMT Audio support Audio support Audio support Security Security Peak) None Security Peak) AyK5973 ThinkPlus 4-year LOR 9x5 NBD 45K5975 ThinkPlus 5-year P&L P/U Depot 45K5976 ThinkPlus 3-year P&L P/U Depot 45K5976 ThinkPlus 5-year LOR 9x5 NBD 45K5975 ThinkPlus 5-year LOR 9 | Ports | | ThinkPlus 3-year LOR 9x5 NBD |
| WWAN upg 2G Turbo None None None S6K V.92 ⁶ modem 56K V.92 ⁶ modem 57 thinkPlus 2-year P&L P/U Depot 45K5971 ThinkPlus 3-year P&L P/U Depot 45K5972 None None None High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, mic input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader Fingerprint reader on palm rest, swipe sensor, supports the security chip | Mini PCI Express Intel 5100 ²⁸ | Three Mini PCI Express slots 11a/b/g/n wireless ⁴ . Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) | ThinkPlus 4-year LOR 9x5 NBD |
| Modem Sok V.92 ⁶ modem Some: Bluetooth 2.1 wireless, LED indicator Some: Bluetooth 2.1 wireless, LED indicator Some: Bluetooth 2.1 wireless, LED indicator Intel 82567LF Gigabit Network Connection (Boazman), PHY, PCIe x1 ANT None Audio support High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, mic input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Post-warranty annual maintenance A5K5972 ThinkPlus 3-year P&L P/U Depot 45K5974 ThinkPlus 5-year P&L P/U Depot 45K5976 Post-warranty annual maintenance A5K5976 A5K5976 ThinkPlus 3-year P&L P/U Depot 45K5976 A5K5976 A5K5 | 2G Turbo | None None | ThinkPlus 5-year LOR 9x5 NBD 45K5975 |
| Ethernet Intel 82567LF Gigabit Network Connection (Boazman), PHY, PCIe x1 Intel AMT Audio support High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, mic input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Security chip Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader Fingerprint reader on palm rest, swipe sensor, supports the security chip ThinkPlus 4-year P&L P/U Depot 45K5972 ThinkPlus 5-year P&L P/U Depot 45K5976 Post-warranty annual maintenance agreements at | Modem | 56K V.92 ⁶ modem | |
| Audio support High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, mic input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Security chip Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader on palm rest, swipe sensor, supports the security chip | Ethernet | Intel 82567LF Gigabit Network Connection (Boazman), PHY, PCIe x1 | |
| volume up, down, mute buttons / digital microphone, mic input jack, headphone jack Security Power-on password, hard disk password, supervisor password, security keyhole Security chip Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader Fingerprint reader on palm rest, swipe sensor, supports the security chip ThinkPlus 5-year P&L P/U Depot 45K5976 Post-warranty annual maintenance agreements at | Intel AMT Audio support | High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / | |
| Security chip Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader Fingerprint reader on palm rest, swipe sensor, supports the security chip Post-warranty annual maintenance agreements at | Security | | ThinkPlus 5-year P&L P/U Depot |
| | Security chip | Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant | Post-warranty annual maintenance |
| | Limited warranty ¹² | ² 1-year - depot repair service / service upgrades ²² available | |

| | | | | | Wide- | CCFL | | Disk | | | Mini PCle Mini PCle Mini PCle Finger | | | | | | | |
|-----|-------------|-------|-------|----------|------------|------|-----|-------|-------------------------|--------------|--------------------------------------|------|----------|-------|-------|------|--------|--------|
| | Turne medal | Proc- | CU- I | \/\ aa a | | | | | ted SATA | SATA optical | 802.11 W wireless | | UWB | | | | | Avail |
| | Type-model | essor | GHZ | viemory | y display | LED | era | grapm | ics GB [®] rpm | ориса | wireless | | or Turbo | reade | tootn | SIOL | load | date |
| | 7417-22U | P8600 | 2.40 | 2GB | 14.1" WXGA | LED | | GMA | 250G 5400 | DVD±RW | | None | None | Fing | None | PC | Pro 32 | Oct 09 |
| F35 | 7417-31U | P8700 | 2.53 | 2GB | 14.1" WXGA | LED | Cam | GMA | 250G 5400 | DVD±RW | ₩ WiMAX | None | None | • | None | PC | Pro 32 | Nov 09 |

These small and medium business (SMB) models are part of the US TopSeller™ Program

| Processor | Intel® Core™ 2 Duo processor P8600 or P8700 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache | Preloaded operating system ²⁰ - Genuine Windows® 7 |
|--|---|---|
| Memory | 2GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Non-italics:</i> standard memory in one socket; one socket available | Professional 32 Preloaded applications ¹⁴ (only some listed) |
| SATA DVD±RW Ultrabay Slim SATA disk | DVD burner, SATA 1.5Gb/s, 9.5mm Ultrabay slim, removable (43N3214) One modular bay for interchangeable devices (right side), 9.5mm high bay, flat bezel 250GB ⁸ (5400 rpm) / SATA 1.5Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports 2nd disk, ThinkPad Shock Mounted Hard Drive, Active Protection System™ | Rescue and Recovery™ Access Connections™ Password Manager ThinkVantage Power Manager ThinkVantage System Update |
| Widescreen display Camera | 14.1" (358.1mm) WXGA (1280x800) color, anti-glare, LED backlight, 200 nits, 16:10 aspect ratio, 300:1 contrast ratio Some: camera on top of screen, 1.3-megapixel, fixed focus | Fingerprint Software (fingerprint models) ThinkVantage Toolbox Lenovo Online Data Backup |
| Integrated graphics | Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45, DVI pass-through support to optional Advanced Mini Dock or Advanced Dock; Maximum external resolution: 2048x1536@75Hz (VGA DB-15) | Skype™ for Windows Roxio® Creator® Business Edition (DVD±RW) |
| Keyboard TrackPoint® Touch pad | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label | Roxio MyDVD® (DVD±RW) Corel® WinDVD® (DVD±RW) |
| ThinkLight™ | Illuminates the keyboard to improve visibility in low-light conditions | Supports ThinkVantage® technologies |
| Dimensions ³ Weight ² Case color Case material | 6-cell 14.1W" (WxDxH): 13.2" x 10.6" x 1.1–1.3"; 335.5 x 270mm x 28–32mm 6-cell: starting at 5.0 lb (2.3kg) Black Top: Super-Elastic PolyCarbonate (SEPC); Bottom: Carbon-Fiber Reinforced Plastic | 65-watt (GMA graphics) AC adapter ThinkPad Roll Cage and Top Cover Roll Cage (one-piece magnesium) Climate Savers® certified |
| Battery - type Battery - life ¹⁰ | Lithium Ion 6-cell , supports unique 2nd battery in Ultrabay Slim 6-cell: up to 6.5 hr; 6-cell plus Ultrabay battery: up to 8.0 hr; 9-cell: up to 9.8 hr | EPEAT™ Gold rating ENERGY STAR® 5.0-compliant |
| Chipset ExpressCard/54 PC Card | Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M-Enhanced I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) One slot (ExpressCard/34, ExpressCard/54) One slot (Type I, Type II), CardBus 32-bit | RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 |
| Smart Card read Multicard reader | None None | ThinkPlus™, 22 1-year LOR24 9x5 NBD |
| Ports | Three USB 2.0, external monitor (VGA DB-15), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) | 45K5968 ThinkPlus 2-year LOR 9x5 NBD 45K5969 |
| Intel 5100 ²⁸ WiMAX | Three Mini PCI Express slots Some: 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) Some: 11a/b/g/n and WiMAX wireless ⁴ , Mini PCIe adap, Intel WiMAX/WiFi Link 5150, 1x2 (300Mbps) WiFi + 1x2 WiMAX (Echo Peak) | ThinkPlus 3-year LOR 9x5 NBD 45K5970 ThinkPlus 4-year LOR 9x5 NBD |
| WWAN upg 2G Turbo UWB | None None None | 45K5973 ThinkPlus 5-year LOR 9x5 NBD 45K5975 |
| Modem | 56K V.92 ⁶ modem | ThinkPlus 2-year P&L P/U Depot 45K5971 |
| Bluetooth™ Ethernet | None Intel 82567LF Gigabit Network Connection (Boazman), PHY, PCIe x1 | ThinkPlus 3-year P&L P/U Depot 45K5972 |
| Intel AMT Audio support | None High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / | ThinkPlus 4-year P&L P/U Depot 45K5974 |
| Security Security chip | volume up, down, mute buttons / digital microphone, mic input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole 22U model: Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant | ThinkPlus 5-year P&L P/U Depot 45K5976 |
| | r Some: Fingerprint reader on palm rest, swipe sensor, supports the security chip | Post-warranty annual maintenance agreements at |
| Limited warranty ¹² | ² 1-year - depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty |

∴ Intel Centrino® 2 processor technology

| Type-model | Proc- essor | GHz Memory | screen | CCFL or LED | Cam- | Switchable graphics | Disk SATA GB [®] rpm | SATA optical | Mini PCle 802.11 wireless | Mini PCle WWAN | Mini PCI UWB or Turbo | Card | Pre- load | Avail date |
|--------------|----------------|--------------|----------|-------------------|------|---------------------|-------------------------------------|----------------|---------------------------------|--------------------|-----------------------------|------|--------------|---------------|
| 2765-81U I | P8700 | 2.53 3GB 14. | 1" WXGA+ | LED | Cam | GMA, HD 3470 | 320G 7200 | DVD ±RW | Intel 5100 ²⁸ | | None | PC | XP Pro | Oct 09 |
| 2765-82U | P8700 | 2.53 3GB 14. | 1" WXGA+ | | Cam | GMA, HD 3470 | 320G 7200 | DVD±RW | Intel 5100 | AT&T ²³ | None | PC | XP Pro | Oct 09 |
| 2765-83U | T9600 | 2.80 4GB 14. | 1" WXGA+ | LED | Cam | GMA, HD 3470 | 320G 7200 | DVD±RW | Intel 5100 | | None | PC | XP Pro | Oct 09 |
| № 2765-94U I | P8700 | 2.53 3GB 14. | 1" WXGA+ | | | GMA, HD 3470 | | | | | | | | |
| № 2765-95U | T9600 | 2.80 4GB 14. | 1" WXGA+ | | Cam | GMA, HD 3470 | 320G 7200 | DVD±RW | Intel 5100 | WWAN up | g None | PC | XP Pro | Nov 09 |

• These small and medium business (SMB) models are part of the US TopSeller™ Program

| Positioning Princies performance; two spindles Processor Intel* Core* 2 Duo processor P8700 or T9600 with dual-core, Intel* LORO* 2 Duo processor P8700 or T9600 or T9700 processor P9700 or T9700 processor | | | |
|---|--|---|---|
| dual-channel capable, two 204-pin SO-DIMM sockets; Italiacs: standard memory in both sockets; no sockets available SATA DUD-RW Ultrabay Slims SATA disk SATA Galax Videocreen display SATA 156bs, 2.5° wide 9.5mm high, removable Undesveren display SATA 156bs, 2.5° wide 9.5mm high, removable, upgradable, supports 2nd disk, ThinkPad Shock Mounted Hard Drive, Active Protection System™ SATA 156bs, 2.5° wide 9.5mm high, removable, upgradable, supports 2nd disk, ThinkPad Shock Mounted Hard Drive, Active Protection System™ Some: 14.1° (358.1mm) WKGA+ (1440x90) color, anti-glare, LED backlight, 250 nits, 16:10 aspect ratio, 300:1 contrast ratio Som: 14.1° (358.1mm) WKGA+ (1440x90) color, anti-glare, LED backlight, 250 nits, 16:10 aspect ratio, 300:1 contrast ratio Switchable graphics Switchable grap | | Intel® Core™ 2 Duo processor P8700 or T9600 with dual-core, | - Windows® XP Professional preinstalled through downgrade |
| Ultrabay Slim SATA disk SA | Memory | dual-channel capable, two 204-pin SO-DIMM sockets; | |
| widestell display Some: 14.1" (355.1mm) WAGA+ (1440x900) color, anti-glare, LED backlight, Some: 14.1" (355.1mm) WAGA+ (1440x900) color, anti-glare, LED backlight, Camera on top of screen, 1.3-megapixel, fixed focus Switchable graphics Mathematical graphics Mobile Intel Graphics Mobile Intel Graphics Micro-graphics Switchable graphics Switchable graphics Switchable graphics Mathematical graphics Switchable graphics Switchable graphics Switchable graphics Minip Clain graphics Switchable graphics Switchable graphics Switchable graphics Switchable graphics Switchable graphics Switchable graphics Minip Clain graphics Switchable graphics Minip Clain graphics Switchable graphi | Ultrabay Slim | One modular bay for interchangeable devices (right side), 9.5mm high bay, flat bezel 320GB ⁸ (7200 rpm) / SATA 1.5Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports 2nd disk, | Rescue and Recovery™ Access Connections™ Client Security Solution™ ThinkVantage Productivity Center |
| Switchable graphics Switches between discrete and integrated graphics (Windows 7 only). Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GMA 4500MHD, in GMA 450 | display | 200 nits, 16:10 aspect ratio, 300:1 contrast ratio Some: 14.1" (358.1mm) WXGA+ (1440x900) color, anti-glare, LED backlight, 250 nits, 16:10 aspect ratio, 300:1 contrast ratio | Fingerprint Software (fingerprint models) McAfee VirusScan® Plus with SiteAdvisor™ (30 days of |
| TrackPoint* TrackPoint* pointing device, "Press-to-Select," Internet Scroll Bar¹s, magnifying glass UltraNav¹s, wide touch pad below keyboard, Tap Zones, scrolling regions label Illuminates the keyboard to improve visibility in low-light conditions. Dimensions* Meight* 9-cell: UltraNav¹s, wide very provention of the | | Switches between discrete and integrated graphics (Windows 7 only), Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45, and ATI™ Mobility Radeon™ HD 3470, PCI Express x16, 256MB memory, DVI pass-through support to optional Advanced Mini Dock or Advanced Dock; | Lenovo System Toolbox ThinkPad Utilities (Power Manager and Presentation Director) Adobe® Reader® Windows Live™ Toolbar |
| Dimensions* 6-cell 1-4.1W* (WxDxH): 13.2* x 10.6* x 1.1—1.3*; 335.5 x 2/Umm x 28—32mm Weight* 9-cell*: starting at 5.4 lb (2.4kg) 7pp: Super-Elastic PolyCarbonate (SEPC); Bottom: Carbon-Fiber Reinforced Plastic Battery + type Battery - life* 6-cell starting at 5.4 lb (2.4kg) 7pp: Super-Elastic PolyCarbonate (SEPC); Bottom: Carbon-Fiber Reinforced Plastic Battery + type Battery - life* 6-cell*: starting at 5.4 lb (2.4kg) 7pp: Super-Elastic PolyCarbonate (SEPC); Bottom: Carbon-Fiber Reinforced Plastic Battery + type Battery - life* 7pp: Super-Elastic PolyCarbonate (SEPC); Bottom: Carbon-Fiber Reinforced Plastic Battery - life* 8-cell*: starting at 5.4 lb (2.4kg) 7pp: Super-Elastic PolyCarbonate (SEPC); Bottom: Carbon-Fiber Reinforced Plastic Battery - life* 8-cell*: starting at 5.4 lb (2.4kg) 7pp: Super-Elastic PolyCarbonate (SEPC); Bottom: Carbon-Fiber Reinforced Plastic Battery - life* 9-cell*: starting at 5.4 lb (2.4kg) 7pp: Super-Elastic PolyCarbonate (SEPC); Bottom: Carbon-Fiber Reinforced Plastic Battery - life* 9-cell*: starting at 5.4 lb (2.4kg) 7pp: Super-Elastic PolyCarbonate (SEPC); Bottom: Carbon-Fiber Reinforced Plastic Battery - life* 9-cell*: starting at 5.4 lb (2.4kg) Supports ThinkVantage* technologies Support Super I/O) 9-watt (ATI graphics) AC adapter ThinkPad Roil Cage and Top Cover ThinkPad Roi | TrackPoint® Touch pad | TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label | Roxio® Creator® Business Edition (DVD±RW) Roxio MyDVD® (DVD±RW) |
| Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M-Enhanced I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC). LPC bus (WPCN385 Super I/O) ExpressCard/54 PC Card One slot (ExpressCard/34, ExpressCard/54) One slot (Type I, Type II), CardBus 32-bit Smart Card Reader Ports Intree USB 2.0, external monitor (VGA DB-15), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) Mini PCI Express Intel 5100 ²⁸ Intel 5100 ²⁸ Intel 5100 ²⁸ Intel 5100 ²⁸ Intel ATI ATI Card One slot (ExpressCard/34, ExpressCard/54) One slot (Type I, Type II), CardBus 32-bit One slot (Type I, Type II), CardBus 32-bit One slot (Type I, Type III), CardBus 32-bit One slot (ExpressCard/34, ExpressCard/54) One slot (Express Slot (Type I, Type III), CardBus 32-bit One slot (ExpressCard/34, ExpressCard/54) One slot (ExpressCard/34, ExpressCard/54) One slot (ExpressCard/34, ExpressCard/54) One slot (ExpressCard/34, ExpressCard/54) One slot (Express Slot (Type II), CardBus 32-bit One slot (Express Slot (III), CardBus 32-bit One slot (Express Slot (III), CardBus 32-bit One slot (Express Card/34, ExpressCard/54) One slot (Express Card/34, Ex | Weight ² Case material Battery - type | 9-cell: starting at 5.4 lb (2.4kg) Top: Super-Elastic PolyCarbonate (SEPC); Bottom: Carbon-Fiber Reinforced Plastic Lithium Ion 9-cell, supports unique 2nd battery in Ultrabay Slim | , , |
| Intel 5100 ²⁸ Intree Mini PCI Express slots Intel 5100 ²⁸ Intalb/g/n wireless ⁴ , Mini PCI eadapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) WWAN upp AT&T ²³ Some: Wireless WAN upgradable, requires Verizon® (43R9151) or AT&T® (43R9152) Some: Wireless WAN, Qualcomm Gobi 1000 chipset, Mini PCIe adapter and SIM, GPRS/WCDMA/HSPA, GPS, service contract required with AT&T Augusta Signature None Modem S6K V.926 modem Bluetooth™ Bluetooth™ Bluetooth 2.1 wireless, LED indicator Ethernet Intel 82567LF Gigabit Network Connection (Boazman), PHY, PCIe x1 None Audio support Audio support High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, mic input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Security Chip Fingerprint reader Fingerprint reader Fingerprint reader on palm rest, swipe sensor, supports the security chip Mini PCI Express 11a/b/g/n wireless*, Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) Schirley 44 hour x 7 day¹8 toll-free support during the warranty period¹2 via 800-426-7378 ThinkPlus¹* ThinkPlus¹* ThinkPlus¹* ThinkPlus 4-year LOR 9x5 NBD 45K6022 ThinkPlus 5-year LOR 9x5 NBD 45K6022 ThinkPlus 4-year P&L P/U Depot 45K6023 ThinkPlus 5-year P&L P/U Depot 45K6025 Post-warranty annual maintenance agreements at | Chipset ExpressCard/54 PC Card Smart Card Read Multicard Reader | Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M-Enhanced I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) One slot (ExpressCard/34, ExpressCard/54) One slot (Type I, Type II), CardBus 32-bit I None None Three USB 2.0, external monitor (VGA DB-15), modem (RJ-11), ethernet (RJ-45), | 90-watt (ATI graphics) AC adapter ThinkPad Roll Cage and Top Cover Roll Cage (one-piece magnesium) Climate Savers® certified EPEAT™ Gold rating (LED models) EPEAT Silver rating (other models) ENERGY STAR® 5.0-compliant RoHS-compliant |
| 2G Turbo UWB None Modem S6K V.92 ⁶ modem Bluetooth 2.1 wireless, LED indicator Ethernet Intel 82567LF Gigabit Network Connection (Boazman), PHY, PCle x1 Intel AMT None Audio support High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, mic input jack, headphone jack Security Power-on password, hard disk password, supervisor password, security keyhole Security chip Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader Fingerprint reader reader on palm rest, swipe sensor, supports the security chip ThinkPlus 4-year LOR 9x5 NBD 45K6022 ThinkPlus 5-year LOR 9x5 NBD 45K6024 ThinkPlus 5-year LOR 9x5 NBD 45K6022 ThinkPlus 5-year LOR 9x5 NBD 45K6024 ThinkPlus 5-year LOR 9x5 NBD 45K6025 | Intel 5100 ²⁸ WWAN upg | 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) Some: Wireless WAN upgradable, requires Verizon® (43R9151) or AT&T® (43R9152) Some: Wireless WAN, Qualcomm Gobi 1000 chipset, Mini PCIe adapter and SIM, | 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 |
| Intel AMT Audio support Audio support High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, mic input jack, headphone jack Security Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader Fingerprint reader on palm rest, swipe sensor, supports the security chip ThinkPlus 4-year P&L P/U Depot 45K6023 ThinkPlus 5-year P&L P/U Depot 45K6025 Post-warranty annual maintenance agreements at | UWB Modem Bluetooth™ Ethernet | None None 56K V.92 ⁶ modem Bluetooth 2.1 wireless, LED indicator | 45K6021 ThinkPlus 4-year LOR 9x5 NBD 45K6022 ThinkPlus 5-year LOR 9x5 NBD |
| ugi comente at | Audio support Security Security chip | High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, mic input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant | ThinkPlus 4-year P&L P/U Depot 45K6023 ThinkPlus 5-year P&L P/U Depot 45K6025 Post-warranty annual maintenance |
| | Limited warranty ¹² | ² 3-years/1-yr battery - EasyServ ^{TM,19} depot repair service / service upgrades ²² available | |

See footnotes for important warranty information
♣ Intel Centrino® 2 processor technology
■ US models announced November 3, 2009; previous models on October 22, 2009

ThinkPad® T400 Accessories

| | 1 | | |
|--|--|--|--|
| Memory 1GB PC3-8500 DDR3 SODIMM 43R1987 an 1GB PC3-8500 DDR3 SODIMM (25-Pack) 51J0551 an 2GB PC3-8500 DDR3 SODIMM 43R1988 an 2GB PC3-8500 DDR3 SODIMM (25-Pack) 51J0552 an 4GB PC3-8500 DDR3 SODIMM 51J0493 an 1GB PC3-8500 DDR3 Low-Halogen SODIMM 55Y3706 an 37766 an 1GB PC3-8500 DDR3 L-H SODIMM (25-Pack) 57Y4385 an 3774385 an 2GB PC3-8500 DDR3 L-H SODIMM (25-Pack) 57Y4386 an 3774386 an 4GB PC3-8500 DDR3 Low-Halogen SODIMM 55Y3708 an 3774386 an | nn 03/17/09 nn 08/05/08 nn 03/17/09 nn 03/03/09 nn 06/23/09 nn 06/23/09 nn 06/23/09 nn 06/23/09 | Security Kensington® MicroSaver® Cable Lock Kensington Twin Head Cable Lock USB Gemplus GemPC Smart Card Reader ThinkPad T400/T410/R400 Privacy Filter Note: ThinkPad T400/T410/R400 Privacy F is not supported on T400s or T410s. PC Card Gemplus Smart Card Reader ExpressCard Gemplus Smart Card Reader Batteries | 43R2472 ann 08/05/08 Filter (43R2472) 41N3004 ann 12/13/05 41N3043 ann 06/27/06 |
| Ultrabay Slim 9.5mm Serial ATA Hard Drive Bay Adapter III DVD-ROM Ultrabay Slim SATA 1.5Gb/s CD-RW/DVD-ROM Ultrabay Slim SATA DVD Burner Ultrabay Slim SATA 1.5Gb/s Storage and removable storage 43N3212 an 43N3213 an 43N3214 an | n 08/05/08 n 08/05/08 | ThinkPad Battery 33++ (9-céll) ThinkPad Battery 42 (3-cell, bay) ⁴³ ⁴³ Used in Ultrabay Slim bay. | |
| 160GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ 41N5692 an 160GB Disk SATA 1.5Gb/s (7200 rpm) ⁴¹ 43N8152 an 250GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ 43R8152 an 320GB Disk SATA 1.5Gb/s (7200 rpm) ⁴¹ 43N3410 an 320GB Disk SATA 1.5Gb/s (7200 rpm) ⁴¹ 43N3411 an 500GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ 43N3420 an 43N3423 an 41 Can be used as the main HDD or | nn 10/16/07 nn 01/15/08 nn 01/20/09 nn 08/05/08 nn 01/20/09 nn 06/23/09 nn 01/07/10 | More info at www.lenovo.com/support/pow Charging tips for 90W Ultraslim AC/DC Com | 40Y7696 ann 01/05/06 nics models. 40Y7659 ann 09/20/05 41R4493 ann 09/22/09 weradapters abo Adapter 41R4493 |
| with Serial ATA Hard Drive Bay Adapter III 43N3412 in the 128GB SSD SATA 3.0Gb/s 1.8" (2.5" cover) 43N3406 an 256GB FDE SSD SATA 3Gb/s 1.8" (2.5" cover) 43N3417 an USB 2.0 Essential Memory Key 4GB 45J7904 an | nn 08/26/08 nn 06/23/09 | iPod and iPhone Charge Tip (L10a) | 41R4478 ann 12/18/07 41R4481 ann 12/18/07 41R4490 ann 01/06/09 .com |
| USB 2.0 Essential Memory Key 8GB USB 2.0 Essential Memory Key 32GB USB 2.0 Ultra Secure Memory Key 1GB USB 2.0 Ultra Secure Memory Key 2GB USB 2.0 Ultra Secure Memory Key 4GB USB 2.0 Ultra Secure Memory Key 4GB USB 2.0 Ultra Secure Memory Key 8GB 45J5916 an | nn 07/15/08 nn 10/28/08 nn 08/26/08 nn 08/26/08 nn 08/26/08 | Carrying Cases Up to 14" widescreen models: ThinkPad 14W Case Sleeve Up to 15.4" widescreen models: ThinkPad 15W Case Sleeve | 57Y4294 ann 03/16/10 51J0477 ann 08/18/09 |
| USB 2.0 Portable 320GB Hard Disk USB 2.0 Portable Secure 160GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk eSATA/USB 2.0 Secure 500GB Hard Drive USB 2.0 Super Multi-Burner Drive USB 2.0 Portable DVD Burner 43N3264 and 43N3264 | nn 03/17/09 nn 05/26/09 nn 11/18/08 nn 11/18/08 nn 01/07/10 nn 01/23/07 | Lenovo Business Messenger Case Lenovo Messenger Max Lenovo Performance BackPack Checkpoint Friendly Business Topload Case ThinkPad Business Topload Case ThinkPad Business Backpack ThinkPad Deluxe Expander Case | 51J0475 ann 08/18/09 41U5253 ann 05/01/07 41U5254 ann 05/01/07 |
| Wireless WAN (Mini PCI Express) Only WWAN upgradable models: Verizon® WWAN UNDP Broadband Mini PCIe 43R9151 an AT&T® WWAN HSPA Broadband Mini PCIe 43R9152 an | | Wenger Deluxe Slim Case for Lenovo | 57Y4271 ann 01/07/10 57Y4272 ann 01/07/10 57Y4273 ann 01/07/10 |
| ThinkPad Expansion Lenovo® Essential Notebook Stand USB Port Replicator with Digital Video ThinkPad Advanced Mini Dock Keyboard TrackPoint Cap Collection USB Numeric Keypad Preferred Pro USB Keyboard Enhanced Performance USB Keyboard Ultraslim Wireless Keyboard and Mouse®2 STY4700 an S2 Wireless via 2.4GHz technology using a micro-size USB | nn 07/28/09 nn 09/20/05 nn 12/16/03 nn 05/01/00 nn 06/21/05 nn 03/23/04 nn 09/15/09 | Lenovo luxury cases at www.lenovoluxuryo Monitors ThinkVision® L1711p 17" Monitor ThinkVision L1900p 19" Monitor ThinkVision L1951p Wide 19" Monitor ThinkVision L2250p Wide 22" Monitor ThinkVision L2251p Wide 22" Monitor ThinkVision L2251x Wide 22" Monitor ThinkVision L2440p Wide 24" Monitor Monitor Accessories ⁴⁶ | 5047HB2 ann 10/20/09 4431HE1 ann 11/11/08 2448HB6 ann 10/20/09 2572HB6 ann 10/20/09 2572HD6 ann 10/20/09 2578HB6 ann 10/20/09 4420HB2 ann 09/17/08 |
| ThinkPad USB Keyboard with TrackPoint Lenovo® USB Fingerprint Keyboard Lenovo USB Smartcard Keyboard Mouse Lenovo Mini Optical Mouse - Black (USB) Lenovo Optical Mouse - White (USB) Lenovo Optical Mouse (USB) Lenovo Laser Mouse (USB) ThinkPad USB Laser Mouse 55Y9308 55Y9308 60P4069 700P4069 700P4069 | n 08/18/09 n 02/22/05 n 03/24/09 n 05/19/09 n 05/21/03 n 01/23/07 n 12/15/09 | Lenovo USB-to-DVI Monitor Adapter ThinkVision USB Soundbar ThinkVision Soundbar Kensington MicroSaver Cable Lock Kensington Twin Head Cable Lock Lenovo Easy Reach Monitor Stand Radial Arm 46 Compatible on selected Lenovo and Thinl More information at www.lenovo.com/supp For more information on ThinkPad accessori | ort/monitoraccessories |
| Lenovo ScrollPoint® Mouse (USB, Optical) ThinkPad Travel Mouse (USB, Optical) ThinkPad Bluetooth Laser Mouse Multimedia ThinkPad In-Ear Headphones 31P7405 and 31P7410 and 41U5008 and 57Y4488 and | n 06/04/02 n 01/22/08 | www.lenovo.com/support/accessories www.lenovo.com/support/notebookacces www.lenovo.com/support/security Other accessories at www.lenovo.com/acc Accessories Guide pdf at www.lenovo.com/s | essories |
| | | | |



Lenovo® ThinkPad T410



Lenovo ThinkPad T410



Lenovo ThinkPad T410



Lenovo ThinkPad T410



Lenovo ThinkPad T410



ThinkPad Mini Dock Series 3 433710U

| Max Base turbo Type-model Processor (GHz) (GHz) Memory | screen | | Cam- era (| Disk SATA GB [®] rpm | PCle Mini Card 802.11 | PCIe Mini Card WWAN | Finger print reader | Blue- tooth | Bat- tery cells | Intel vPro | Preload | Avail date |
|--|------------|------|---------------|-------------------------------------|-----------------------------|---------------------------|---------------------------|----------------|-----------------------|---------------|---------|---------------|
| 2516-ADU i5-520M 2.40 2.93 2GB 1 | 14.1" WXGA | FD 2 | OM 25 | 50G 5400 | 11b/a/n | None | None | None | 6 | No | Pro 32 | Jan 10 |

This small and medium business (SMB) model is part of the US TopSeller™ Program

| DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1068MHz), Intel Turbo Boost, Hyper-Threading technology; 3MB cache Memory 2GB std / 8GB max² / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; SATA DVD±RW DVD burner, SATA 1.5Gb, 9, 5mm Ultrabay slim, removable on modular bay for interchangeable devices (right side), 9.5mm high, bottom access 250GB² (6400 rpm) / SATA 3.0Gb/s, 2.5° wide, 9.5mm high, removable, upgradable, supports 2nd disk, ThinkPad 5hock Mounted Hard Drive, Active Protection System³ - Access Connections³ - Password Manager ThinkVantage Power Manager ThinkVant | | | |
|--|---|--|---|
| Memory 2GB std / 8GB max* / PC3-8500 1066MHz DDR3, non-partly, dual-channel capable, two 204-pin SC-DIMM sockets? Non-latikes: standard memory in one socket, one socket available DVD burner, SATA 1.5Gbs, 9.5mm Ultrabay slim, removable One modular bay for interchangeable devices (right side), 9.5mm high, bottom access 250GB* (6400 rpm) SATA 3.0Gb/s, 2.5* wide, 9.5mm high, removable, upports 2nd disk, ThinkPad 5hock Mounted Hard Drive, Active Protection System* Widescreen display Camera 14.1* (353mm) WXGA (1280x800) color, anti-plare, LED backlight, 220 nits, 16:10 aspect ratio, 300:1 contrast ratio Camera on top of screen, 2.0-megapixel, fixed focus Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via USA DB-15 connector and via USA DB-15 connector and via USA DB-15 c | Positioning Processor | Intel® Core™ i5 processor i5-520M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), | - Genuine Windows® 7 Professional 32 |
| Ultrabay Slim SATA disk SATA (a) Chemodular bay for interchangeable devices (right side), 9.5mm high, bottom access 250GB* (5400 rpm) / SATA 3.06b/s, 2.5* wide, 9.5mm high, removable, upgradable, supports 2nd disk, Think/Pad Shock Mounted Hard Drive, Active Protection System** Widescreen display Camera (14.1* (358mm) WXGA (1280x800) color, anti-glare, LED backlight, 220 nits, 16:10 aspect ratio, 300:1 contrast ratio Camera on top of screen, 2.0-megapixel, fixed focus Integrated Graphics in processor, enternal analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPorty (supports single-link DVI-D via cable 45J7915); supports dual independent display. Maximum external resolution: 2560x1600 (DisplayPort) @60Hz; 2048x1536 (VGA) @75Hz; 1920x1200 @60Hz (single-link DVI-D via cable 45J7915); supports dual independent display. Maximum external resolution: 2560x1600 (DisplayPort) @60Hz; 2048x1536 (VGA) @75Hz; 1920x1200 @60Hz (single-link DVI-D via cable 45J7915); supports dual independent display. Maximum external resolution: 2560x1600 (DisplayPort) @60Hz; 2048x1536 (VGA) @75Hz; 1920x1200 @60Hz (single-link DVI-D via cable 45J7915); supports dual independent display. Maximum external resolution: 2560x1600 (DisplayPort) @60Hz; 2048x1536 (VGA) @75Hz; 1920x1200 @60Hz (single-link DVI-D via cable 45J7915); supports dual independent display. Maximum external resolution: 2560x1600 (DisplayPort) @60Hz; 2048x1536 (VGA) @75Hz; 1920x1200 @60Hz (single-link DVI-D via cable 45J7915); supports display device, "Press-to-Select," Internet Scroll Bar*s, magnifying glass UltraNava", wide louchpad below keybot, Tap Zones, scrolling regions label, multi-touch library device, "Press-to-Select," Internet Scroll Bar*s, magnifying glass and trade of the process of the search AutoCollage (case dolor trade) and trade of the process of the search AutoCollage (case dolor trade) and trade of the process of the search AutoCollage (case dolor trade) and trade of the process of the search AutoCollage (case dolor | Memory | dual-channel capable, two 204-pin SO-DIMM sockets; | listed) ■ Rescue and Recovery [™] ■ Access Connections [™] |
| Vildescreen display Camera Camera on top of screen, 2.0-megapixel, fixed focus Intel HD Graphics in processor, eternal analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); suports dual independent display, Maximum external resolution: 2560×1600 (DisplayPort) 2048x1536 (VGA) @ 75Hz; 1920x1200 @ 60Hz (single-link DVI-D via cable 45J7915); suports dual independent display, Maximum external resolution: 2560×1600 (DisplayPort) @ 60Hz; 2048x1536 (VGA) @ 75Hz; 1920x1200 @ 60Hz (single-link DVI-D via cable 45J7915); suports ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint* TrackPoint* pointing device, "Press-to-Select," Internet Scroll Bar¹*, magnifying glass Touchpad ThinkLight¹™ IllerlaNar³*, wide touchpad below keybrd. Tap Zones, scrolling regions label, multi-touch Illuminates the keyboard to improve visibility in low-light conditions Dimensions² 4.1 1/10" (WxDxH): 13.2" x 9.4" x 1.1-1.3", 335.5 x 239mm x 27.6-31.9mm 6-cell: starting at 5.0 to (2.27kg); 9-cell: starting at 5.0 to (2.27kg); 9-cell: starting at 5.0 to (2.27kg); 9-cell starting at 5.0 to (2.27kg) | SATA DVD±RW Ultrabay Slim SATA disk | One modular bay for interchangeable devices (right side), 9.5mm high, bottom access 250GB [®] (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports 2nd disk, | ThinkVantage System Update ThinkVantage Power Manager ThinkVantage Toolbox Lenovo Online Data Backup |
| Intertated graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via UGA DB-15 connector and digital monitor support via Ugala DB-15 connector and digital monitor support via VGA DB-15 connector and via VGA DB-15 connec | Widescreen display Camera | 220 nits, 16:10 aspect ratio, 300:1 contrast ratio | Adobe Flash® Player Windows Live™ Toolbar |
| Sey-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar³, magnifying glass UltraNav™, wide touchpad below keybrd, Tap Zones, scrolling regions label, multi-touch Illuminates the keyboard to improve visibility in low-light conditions | Integrated graphics | external analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); supports dual independent display; Maximum external resolution: 2560x1600 (DisplayPort)@60Hz; | Microsoft Research AutoCollage Touch Roxio® Creator® Business Edition (DVD±RW) Roxio MyDVD® (DVD±RW) |
| Dimensions³ ### ### ### ### ### ### ### ### ### # | Keyboard TrackPoint® Touchpad ThinkLight™ | TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keybrd, Tap Zones, scrolling regions label, multi-touch | Supports ThinkVantage® technologies 65-watt AC adapter |
| Chipset ExpressCard/34 Smart Card read Multicard reader Ports Ports PCIe Mini Card 11b/g/n WWAN upg Modem Bluetooth™ Bluetooth™ Bluetooth™ Ethernet Intel AMT Audio support Ethernet Intel AMT Audio support Security Security Security Security Security Fingerprint reader Mobile Intel QM57 Express Chipset One slot (Express Card/34) A5K5968 ThinkPlus 2-year LOR 9x5 NBD 45K5968 ThinkPlus 2-year LOR 9x5 NBD 45K5968 ThinkPlus 2-year LOR 9x5 NBD 45K5970 ThinkPlus 3-year LOR 9x5 NBD 45K5970 ThinkPlus 3-year LOR 9x5 NBD 45K5973 ThinkPlus 4-year LOR 9x5 NBD 45K5975 ThinkPlus 2-year LOR 9x5 NBD 45K5970 ThinkPlus 3-year LOR 9x5 NBD 45K5975 ThinkPlus 2-year LOR 9x5 NBD 45K5975 ThinkPlus 3-year LOR 9x5 NBD 45K5975 ThinkPlus 3-year LOR 9x5 NBD 45K5975 ThinkPlus 3-year P&L P/U Depot 45K5971 ThinkPlus 3-year P&L P/U Depot 45K5972 ThinkPlus 3-year P&L P/U Depot 45K5972 ThinkPlus 3-year P&L P/U Depot 45K5974 ThinkPlus 3-year P&L P/U Depot 45K5974 ThinkPlus 3-year P&L P/U Depot 45K5976 ThinkPlus 3-year P&L P/U Depot 45K5974 ThinkPlus 3-year P&L P/U Depot 45K5976 ThinkPlus 5-year P&L P/U Depot 45K5976 | Dimensions ³ Weight ² Case color | 14.1W" (WxDxH): 13.2" x 9.4" x 1.1–1.3"; 335.5 x 239mm x 27.6–31.9mm 6-cell: starting at 5.0 lb (2.27kg); 9-cell: starting at 5.35 lb (2.43kg) Black Top: High Elasticity PolyCarbonate (HEPC); Bottom: Carbon-Fiber Reinforced Plastic Lithium Ion 6-cell, supports optional Slice battery (57Y4545) as 2nd battery at bottom | EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support during the warranty period¹2 |
| HCIE Mini Card Siots 11b/g/n wireless⁴, ThinkPad 11b/g/n, PCIe Half Mini Card WWAN upg Modem Bluetooth™ None Streen Mini Card Siots 11b/g/n wireless⁴, ThinkPad 11b/g/n, PCIe Half Mini Card None Streen Mini Card Siots 11b/g/n wireless⁴, ThinkPad 11b/g/n, PCIe Half Mini Card None Streen Mini Card Siots 45K5973 ThinkPlus 5-year LOR 9x5 NBD ThinkPlus 2-year P&L P/U Depot 45K5971 ThinkPlus 3-year P&L P/U Depot 45K5972 ThinkPlus 3-year P&L P/U Depot 45K5972 ThinkPlus 4-year P&L P/U Depot 45K5974 ThinkPlus 5-year LOR 9x5 NBD ThinkPlus 2-year P&L P/U Depot 45K5972 ThinkPlus 4-year P&L P/U Depot 45K5974 ThinkPlus 5-year P&L P/U Depot 45K5974 ThinkPlus 5-year P&L P/U Depot 45K5976 ThinkPlus 6-year P&L P/U Depot 45K5976 | Chipset ExpressCard/34 Smart Card read Multicard reader Ports | One slot (ExpressCard/34) None 5-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC) Four USB 2.0 (one powered), eSATA port, external monitor (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), | ThinkPlus™.22 1-year LOR24 9x5 NBD 45K5968 ThinkPlus 2-year LOR 9x5 NBD 45K5969 ThinkPlus 3-year LOR 9x5 NBD 45K5970 |
| agreements at | WWĂN upg Modem Bluetooth™ Ethernet Intel AMT Audio support | 11b/g/n wireless ⁴ , ThinkPad 11b/g/n, PCIe Half Mini Card None 56K V.92 ⁶ modem None Intel 82577LC Gigabit Network Connection (Hanksville), PHY, PCIe x1 Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / speaker volume up, down and mute buttons / dual array microphone, mic mute button, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant | 45K5973 ThinkPlus 5-year LOR 9x5 NBD 45K5975 ThinkPlus 2-year P&L P/U Depot 45K5971 ThinkPlus 3-year P&L P/U Depot 45K5972 ThinkPlus 4-year P&L P/U Depot 45K5974 ThinkPlus 5-year P&L P/U Depot 45K5976 Post-warranty annual maintenance |
| | | | |

| Base Type-model Processor (GHz) | Max turbo (GHz) Memory | screen | CCFL or LED | Camera | Disk SATA GB [®] rpm | PCle Mini Card 802.11 | PCIe Mini Card WWAN | | | Bat- tery Intel cells vPro | Preload | Avail date |
|------------------------------------|------------------------------|-------------|-------------------|--------|-------------------------------------|-----------------------------|---------------------------|--------|------|----------------------------------|---------|---------------|
| 2518-C3U i5-540M 2.53 | 3.06 2GB | 14.1" WXGA | LED | 2.0M | 320G 7200 | 11b/g/n | WWAN upg | Finger | Blue | 6 | XP Pro | Jan 10 |
| 2518-F4U i5-540M 2.53 | 3.06 <i>3GB</i> | 14.1" WXGA+ | LED | 2.0M | 320G 7200 | Intel 6200 ²⁸ | WWAN upg | Finger | Blue | 6 vPro | XP Pro | Jan 10 |

- These small and medium business (SMB) models are part of the US TopSeller™ Program These models have a depot repair service 3-year limited warranty

| Positioning Processor | Premiere performance; two spindles Intel® Core™ i5 processor i5-540M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology; 3MB cache | Preloaded operating system ²⁰ - Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 |
|--|--|--|
| Memory | 2GB or 3GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; ltalics: standard memory in both sockets; no sockets available; standard memory in one socket; one socket available | Professional 32 Preloaded applications¹⁴ (only some listed) • Rescue and Recovery™ |
| SATA DVD±RW Ultrabay Slim SATA disk | DVD burner, SATA 1.5Gb/s, 9.5mm Ultrabay slim, removable One modular bay for interchangeable devices (right side), 9.5mm high, bottom access 320GB³ (7200 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports second disk, ThinkPad Shock Mounted Hard Drive, Active Protection System™ | Access Connections[™] Client Security Solution[™] Fingerprint Software (fingerprint models) ThinkVantage System Update |
| Widescreen display | Some: 14.1" (358mm) WXGA (1280x800) color, anti-glare, LED backlight, 220 nits, 16:10 aspect ratio, 300:1 contrast ratio Some: 14.1" (358mm) WXGA+ (1440x900) color, anti-glare, LED backlight, 220 nits, 16:10 aspect ratio, 300:1 contrast ratio Camera on top of screen, 2.0-megapixel, fixed focus | ThinkVantage Power Manager ThinkVantage Presentation Director ThinkVantage Productivity Center Lenovo System Toolbox Lenovo Online Data Backup |
| Integrated graphics | Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); supports dual independent display; Maximum external resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@75Hz; 1920x1200@60Hz (single-link DVI-D via cable 45J7915) | Norton™ Internet Security 2009 (30 days of virus definitions) Adobe® Reader® Adobe Flash® Player Windows Live™ Toolbar Skype™ for Windows Microsoft® Office 2007 Trial (60-day) |
| Keyboard TrackPoint® Touchpad ThinkLight™ | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keybrd, Tap Zones, scrolling regions label, multi-touch Illuminates the keyboard to improve visibility in low-light conditions | Roxio® Creator® Business Edition (DVD±RW) Roxio MyDVD® (DVD±RW) Corel® WinDVD® (DVD±RW) |
| Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰ | 14.1W" (WxDxH): 13.2" x 9.4" x 1.1–1.3"; 335.5 x 239mm x 27.6–31.9mm 6-cell: starting at 5.0 lb (2.27kg); 9-cell: starting at 5.35 lb (2.43kg) Black Top: High Elasticity PolyCarbonate (HEPC); Bottom: Carbon-Fiber Reinforced Plastic Lithium Ion 6-cell, supports optional Slice battery (57Y4545) as 2nd battery at bottom 6-cell: up to 6.6 hr; 9-cell: up to 11 hr; 9-cell plus Slice battery: up to 22 hr | |
| Chipset | Mobile Intel QM57 Express Chipset | Supports ThinkVantage® technologies |
| ExpressCard/34 Smart Card read Multicard reader Ports | One slot (ExpressCard/34) None 5-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC) Four USB 2.0 (one powered), eSATA port, external monitor (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) | 65-watt AC adapter ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant |
| PCle Mini Card 11b/g/n Intel 6200 ²⁸ WWAN upg | Two PCI Express Mini Card slots Some: 11b/g/n wireless ⁴ , ThinkPad 11b/g/n, PCIe Half Mini Card Some: 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Advanced-N 6200, 2x2 Wireless WAN upgradable | International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 |
| Modem Bluetooth™ Ethernet | 56K V.926 modem Bluetooth 2.1 wireless, LED indicator Non-vPro model: Intel 82577LC Gigabit Network Connection (Hanksville), PHY, PCIe x1 vPro model: Intel 82577LM Gigabit Network Connection (Hanksville), PHY, PCIe x1 | ThinkPlus™.22 3-year LOR24 9x5 NBD 45K6021 ThinkPlus 4-year LOR 9x5 NBD |
| Intel AMT Audio support | Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / speaker volume up, down and mute buttons / dual array microphone, mic mute button, | 45K6022 ThinkPlus 5-year LOR 9x5 NBD 45K6024 ThinkPlus 4-year P&L P/U Depot |
| Security Security chip Fingerprint reade | combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant r UPEK Fingerprint reader on palm rest, swipe sensor, LED indicator, | 45K6023 ThinkPlus 5-year P&L P/U Depot 45K6025 |
| - Ingerprint reduce | Power On Authentication, supports the security chip | Post-warranty annual maintenance agreements at |
| Limited warranty ¹² | ² 3-years /1-yr battery - depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty |

| Type-model Pro | | Max ase turbo iHz)(GHz) | | screen | CCFL or LED | Camera | Disk SATA GB [®] rpm | PCle Mini Card 802.11 | PCle Mini Card WWAN | Carrier | Finger l print reader o | tery | | ad | Avail date |
|----------------|-----------|-------------------------------|-----|-------------|-------------------|--------|-------------------------------------|-----------------------------|---------------------------|--------------------|-------------------------------|------|----------|----|---------------|
| 2518-C2U i5- | -520M 2.4 | 40 2.93 | 2GB | 14.1" WXGA | LED | 2.0M | 250G 5400 | Intel 6200 ²⁸ | Gobi 2000 | AT&T ²³ | Finger | 6 ' | vPro Pro | 32 | Jan 10 |
| 2518-F3U i5- | -520M 2.4 | 40 2.93 | 2GB | 14.1" WXGA | LED | 2.0M | 250G 5400 | 11b/g/n | WWAN upg | | • | 6 | Pro | 32 | Jan 10 |
| 2518-F6U i5- | -520M 2.4 | 40 2.93 | 4GB | 14.1" WXGA+ | LED | 2.0M | 80G SSD | Intel 6200 | WWAN upg | | Finger | 9 | vPro Pro | 32 | Jan 10 |
| 2518-4HU i5- | -520M 2.4 | 40 2.93 | 2GB | 14.1" WXGA | LED | 2.0M | 320G 7200 | Intel 6200 | WWAN upg | | Finger | 6 | vPro Pro | 32 | Mar 10 |

- These small and medium business (SMB) models are part of the US TopSeller™ Program These models have a depot repair service 3-year limited warranty

| Positioning Processor | Premiere performance; two spindles Intel® Core™ i5 processor i5-520M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology; 3MB cache | Preloaded operating system ²⁰ - Genuine Windows® 7 Professional 32 Preloaded applications ¹⁴ (only some |
|--|--|---|
| Memory | 2GB or 4GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; <i>Non-italics:</i> standard memory in one socket; one socket available | isted) Rescue and Recovery™ • Access Connections™ • Password Manager |
| SATA DVD±RW Ultrabay Slim SATA disk | DVD burner, SATA 1.5Gb/s, 9.5mm Ultrabay slim, removable One modular bay for interchangeable devices (right side), 9.5mm high, bottom access Some: 80GB³ Solid State Drive (SSD) / SATA 3.0Gb/s, 1.8" wide, 8mm high Some: 250GB (5400 rpm) or 320GB (7200 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, Active Protection System™ All: removable, upgradable, supports 2nd disk, Shock Mounted Hard Drive | Fingerprint Software (fingerprint models) ThinkVantage System Update ThinkVantage Power Manager ThinkVantage Toolbox Lenovo Online Data Backup |
| Widescreen display | Some: 14.1" (358mm) WXGA (1280x800) color, anti-glare, LED backlight, 220 nits, 16:10 aspect ratio, 300:1 contrast ratio Some: 14.1" (358mm) WXGA+ (1440x900) color, anti-glare, LED backlight, 220 nits, 16:10 aspect ratio, 300:1 contrast ratio Camera on top of screen, 2.0-megapixel, fixed focus | Norton™ Internet Security 2009 (30 days of virus definitions) Adobe® Reader® Adobe Flash® Player Windows Live™ Toolbar |
| Integrated graphics | Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); supports dual independent display; Maximum external resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@75Hz; 1920x1200@60Hz (single-link DVI-D via cable 45J7915) | Skype™ for Windows Microsoft® Office 2007 Trial (60-day) Microsoft Research AutoCollage Touch Roxio® Creator® Business Edition (DVD±RW) Roxio MyDVD® (DVD±RW) |
| Keyboard TrackPoint® Touchpad ThinkLight™ | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keybrd, Tap Zones, scrolling regions label, multi-touch Illuminates the keyboard to improve visibility in low-light conditions | Corel® WinDVD® (DVD±RW) |
| Dimensions ³ Weight ² Case color Case material Battery - type | 14.1W" (WxDxH): 13.2" x 9.4" x 1.1–1.3"; 335.5 x 239mm x 27.6–31.9mm 6-cell: starting at 5.0 lb (2.27kg); 9-cell: starting at 5.35 lb (2.43kg) Black Top: High Elasticity PolyCarbonate (HEPC); Bottom: Carbon-Fiber Reinforced Plastic Lithium Ion 6-cell or 9-cell, supports optional Slice battery (57Y4545) as 2nd battery | |
| Battery - life ¹⁰ Chipset ExpressCard/34 | 6-cell: up to 6.6 hr; 9-cell: up to 11 hr; 9-cell plus Slice battery: up to 22 hr Mobile Intel QM57 Express Chipset One slot (ExpressCard/34) | |
| Smart Card read Multicard reader Ports | None 5-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC) Four USB 2.0 (one powered), eSATA port, external monitor (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) | Supports ThinkVantage® technologies 65-watt AC adapter ThinkPad Roll Cage (one-piece magnesium frame) |
| PCIe Mini Card 11b/g/n Intel 6200 ²⁸ WWAN upg Gobi™ 2000 | Two PCI Express Mini Card slots Some: 11b/g/n wireless ⁴ , ThinkPad 11b/g/n, PCIe Half Mini Card Some: 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Advanced-N 6200, 2x2 Some: Wireless WAN upgradable Some: Wireless WAN, Qualcomm chipset, PCIe Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, contract required with service provider Some: AT&T®, contract required with service provider | EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support during the warranty period¹² via 800-426-7378 |
| Modem Bluetooth™ Ethernet | 56K V.926 modem Bluetooth 2.1 wireless, LED indicator Non-vPro model: Intel 82577LC Gigabit Network Connection (Hanksville), PHY, PCle x1 vPro model: Intel 82577LM Gigabit Network Connection (Hanksville), PHY, PCle x1 | ThinkPlus™.22 3-year LOR24 9x5 NBD 45K6021 ThinkPlus 4-year LOR 9x5 NBD 45K6022 |
| Intel AMT Audio support | Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / speaker volume up, down and mute buttons / dual array microphone, mic mute button, combo audio/mic jack | ThinkPlus 5-year LOR 9x5 NBD 45K6024 ThinkPlus 4-year P&L P/U Depot 45K6023 |
| Security Security chip Fingerprint reader | Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant r Some: UPEK Fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip | ThinkPlus 5-year P&L P/U Depot 45K6025 Post-warranty annual maintenance agreements at |
| Limited warranty ¹² | ² 3-years/1-yr battery - depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty |

| Base Type-model Processor (GHz) | Max turbo (GHz) Memory | Wide- screen display | CCFL or LED | Camera | Disk SATA GB [®] rpm | PCle Mini Card 802.11 | | | Blue- tooth | Bat- tery l cells v | | Preload | Avail date |
|------------------------------------|------------------------------|----------------------------|-------------------|--------|-------------------------------------|-----------------------------|------|------|----------------|---------------------------|----|---------|---------------|
| 2516-AFU i5-520M 2.40 | 2.93 2GB 1 | 4.1" WXGA | LED | 2.0M | 320G 7200 | 11b/g/n | None | None | Blue | 9 | Nο | Pro 32 | Jan 10 |

This small and medium business (SMB) model is part of the US TopSeller™ Program

| Positioning Processor | Premiere performance; two spindles Intel® Core™ i5 processor i5-520M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology; 3MB cache | Preloaded operating system ²⁰ - Genuine Windows [®] 7 Professional 32 Preloaded applications ¹⁴ (only some |
|--|---|---|
| Memory | 2GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Non-italics:</i> standard memory in one socket; one socket available | Rescue and Recovery™ Access Connections™ |
| SATA DVD±RW Ultrabay Slim SATA disk | DVD burner, SATA 1.5Gb/s, 9.5mm Ultrabay slim, removable One modular bay for interchangeable devices (right side), 9.5mm high, bottom access 320GB ⁸ (7200 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports 2nd disk, ThinkPad Shock Mounted Hard Drive, Active Protection System™ | Password Manager ThinkVantage System Update ThinkVantage Power Manager ThinkVantage Toolbox Lenovo Online Data Backup |
| Widescreen display Camera | 14.1" (358mm) WXGA (1280x800) color, anti-glare, LED backlight, 220 nits, 16:10 aspect ratio, 300:1 contrast ratio Camera on top of screen, 2.0-megapixel, fixed focus | Adobe® Reader® Adobe Flash® Player Windows Live™ Toolbar Skype™ for Windows |
| Discrete graphics | NVIDIA® Quadro® NVS3100M, PCI Express® x16, 256MB memory, external analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); supports dual independent display; Maximum external resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz; 1920x1200@60Hz (single-link DVI-D via cable 45J7915) | Microsoft Research AutoCollage Touch Roxio® Creator® Business Edition (DVD±RW) Roxio MyDVD® (DVD±RW) Corel® WinDVD® (DVD±RW) |
| Keyboard TrackPoint® Touchpad ThinkLight™ | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keybrd, Tap Zones, scrolling regions label, multi-touch Illuminates the keyboard to improve visibility in low-light conditions | Supports ThinkVantage® technologies 90-watt AC adapter ThinkPad Roll Cage (one-piece |
| Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰ | 14.1W" (WxDxH): 13.2" x 9.4" x 1.1–1.3"; 335.5 x 239mm x 27.6–31.9mm 6-cell: starting at 5.0 lb (2.27kg); 9-cell: starting at 5.35 lb (2.43kg) Black Top: High Elasticity PolyCarbonate (HEPC); Bottom: Carbon-Fiber Reinforced Plastic Lithium Ion 9-cell, supports optional Slice battery (57Y4545) as 2nd battery at bottom 6-cell: up to 5.0 hr; 9-cell: up to 8.3 hr; 9-cell plus Slice battery: up to 16.6 hr | magnesium frame) EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support during the warranty period¹² via 800-426-7378 |
| Chipset ExpressCard/34 Smart Card read Multicard reader Ports | Mobile Intel QM57 Express Chipset One slot (ExpressCard/34) None 5-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC) Four USB 2.0 (one powered), eSATA port, external monitor (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) | ThinkPlus™.22 1-year LOR24 9x5 NBD 45K5968 ThinkPlus 2-year LOR 9x5 NBD 45K5969 ThinkPlus 3-year LOR 9x5 NBD 45K5970 |
| PCIe Mini Card 11b/g/n WWAN upg Modem Bluetooth™ Ethernet Intel AMT Audio support | Two PCI Express Mini Card slots 11b/g/n wireless ⁴ , ThinkPad 11b/g/n, PCIe Half Mini Card None 56K V.92 ⁶ modem Bluetooth 2.1 wireless, LED indicator Intel 82577LC Gigabit Network Connection (Hanksville), PHY, PCIe x1 Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / speaker volume up, down and mute buttons / dual array microphone, mic mute button, combo audio/mic jack | ThinkPlus 4-year LOR 9x5 NBD 45K5973 ThinkPlus 5-year LOR 9x5 NBD 45K5975 ThinkPlus 2-year P&L P/U Depot 45K5971 ThinkPlus 3-year P&L P/U Depot 45K5972 ThinkPlus 4-year P&L P/U Depot 45K5974 ThinkPlus 5-year P&L P/U Depot |
| Security Security chip Fingerprint reader | Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant r None | 45K5976 Post-warranty annual maintenance agreements at |
| Limited warranty ¹² | ² 1-year - depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty |

| Max Base turbo Type-model Processor (GHz) (GHz) Memory | Wide- screen display | CCFL or LED Camera | Disk SATA GB ⁸ rpm | SATA optical | PCle Mini Card 802.11 | PCIe Mini Card WWAN | Finger Bat- d print tery Intel reader cells vPro Preload | Avail date |
|--|----------------------------|--------------------------|-------------------------------------|--------------|-----------------------------|---------------------------|--|---------------|
|--|----------------------------|--------------------------|-------------------------------------|--------------|-----------------------------|---------------------------|--|---------------|

2518-C5U i5-540M 2.53 3.06 2GB 14.1" WXGA+ LED 2.0M 128G SSD DVD±RW Intel 6200²⁸ WWAN upg Fing **9** vPro XP Pro Jan 10

10 VPro XP Pro Jan 10

11 VPro XP Pro Jan 10

12 VPro XP Pro Jan 10

13 VPro XP Pro Jan 10

14 VPro XP Pro Jan 10

15 VPro XP Pro Jan 10

16 VPro XP Pro Jan 10

17 VPro XP Pro Jan 10

18 VPro XP Pro Jan 10

- These small and medium business (SMB) models are part of the US TopSeller™ Program These models have a depot repair service 3-year limited warranty

| Positioning Processor | Premiere performance; two spindles Intel® Core™ i5 processor i5-520M or i5-540M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology; 3MB cache | Preloaded operating system ²⁰ - Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 |
|---|--|--|
| Memory | 2GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Non-italics:</i> standard memory in one socket; one socket available | Professional 32 Preloaded applications ¹⁴ (only some listed) |
| SATA DVD±RW Ultrabay Slim SATA disk | DVD burner, SATA 1.5Gb/s, 9.5mm Ultrabay slim, removable One modular bay for interchangeable devices (right side), 9.5mm high, bottom access Some: 128GB³ Solid State Drive (SSD) / SATA 3.0Gb/s, 1.8" wide, 8mm high Some: 320GB (7200 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, Active Protection System™ All: removable, upgradable, supports 2nd disk, Shock Mounted Hard Drive | Rescue and Recovery™ Access Connections™ Client Security Solution™ Fingerprint Software (fingerprint models) ThinkVantage System Update |
| Widescreen display Camera | 14.1" (358mm) WXGA+ (1440x900) color, anti-glare, LED backlight, 220 nits, 16:10 aspect ratio, 300:1 contrast ratio Camera on top of screen, 2.0-megapixel, fixed focus | ThinkVantage Power Manager ThinkVantage Presentation Director ThinkVantage Productivity Center Lenovo System Toolbox |
| Discrete graphics | NVIDIA® Quadro® NVS3100M, PCI Express® x16, 256MB memory, external analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); supports dual independent display; Maximum external resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz; 1920x1200@60Hz (single-link DVI-D via cable 45J7915) | Lenovo Online Data Backup Norton™ Internet Security 2009 (30 days of virus definitions) Adobe® Reader® Adobe Flash® Player Windows Live™ Toolbar |
| Keyboard TrackPoint® Touchpad ThinkLight™ | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keybrd, Tap Zones, scrolling regions label, multi-touch Illuminates the keyboard to improve visibility in low-light conditions | Skype™ for Windows Microsoft® Office 2007 Trial (60-day) Roxio® Creator® Business Edition (DVD±RW) Roxio MyDVD® (DVD±RW) |
| Dimensions ³ Weight ² Case color Case material | 14.1W" (WxDxH): 13.2" x 9.4" x 1.1–1.3"; 335.5 x 239mm x 27.6–31.9mm 6-cell: starting at 5.0 lb (2.27kg); 9-cell: starting at 5.35 lb (2.43kg) Black Top: High Elasticity PolyCarbonate (HEPC); Bottom: Carbon-Fiber Reinforced Plastic | Corel® WinDVD® (DVD±RW) |
| Battery - type Battery - life ¹⁰ | Lithium Ion 9-cell , supports optional Slice battery (57Y4545) as 2nd battery at bottom 6-cell: up to 5.0 hr; 9-cell: up to 8.3 hr; 9-cell plus Slice battery: up to 16.6 hr | Supports ThinkVantage® technologies 90-watt AC adapter |
| Chipset ExpressCard/34 Smart Card read Multicard reader Ports | 5-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC) Four USB 2.0 (one powered), eSATA port, external monitor (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) | ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support |
| PCIe Mini Card Intel 6200 ²⁸ WWAN upg | Two PCI Express Mini Card slots 11a/b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Advanced-N 6200, 2x2 Wireless WAN upgradable | during the warranty period ¹² via 800-426-7378 |
| Modem Bluetooth™ Ethernet Intel AMT | 56K V.926 modem Bluetooth 2.1 wireless, LED indicator Intel 82577LM Gigabit Network Connection (Hanksville), PHY, PCIe x1 Intel Active Management Technology (iAMT) | ThinkPlus ^{TM.22} 3-year LOR ²⁴ 9x5 NBD 45K6021 ThinkPlus 4-year LOR 9x5 NBD 45K6022 ThinkPlus 5-year LOR 9x5 NBD |
| Audio support | High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / speaker volume up, down and mute buttons / dual array microphone, mic mute button, combo audio/mic jack | 45K6024 ThinkPlus 4-year P&L P/U Depot 45K6023 |
| Security Security chip Fingerprint reade | Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant r Some: UPEK Fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip | ThinkPlus 5-year P&L P/U Depot 45K6025 Post-warranty annual maintenance |
| Limited warranty ¹³ | ² 3-years /1-yr battery - depot repair service / service upgrades ²² available | agreements at lenovo.com/thinkplus/warranty |

| Type-model | Processor | | Max turbo (GHz) | | Wide- screen y display | CCFL or LED | Camera | Disk SATA GB [®] rpm | PCle Mini Card 802.11 | PCle Mini Card WWAN | Carrier | Blue/ Fing | | Preload | Avail date |
|------------|-----------|------|-----------------------|-----|------------------------------|-------------------|--------|-------------------------------------|-----------------------------|---------------------------|-----------|---------------|-------|---------|---------------|
| 2518-C4U | i5-520M | 2.40 | 2.93 | 2GB | 14.1" WXGA- | + LED | 2.0M | 320G 7200 | 11b/g/n | Gobi 2000 | Verizon16 | Yes | | Pro 32 | Jan 10 |
| 2518-F5U | i5-540M | 2.53 | 3.06 | 4GB | 14.1" WXGA- | + LED | 2.0M | 500G 7200 | WiMAX | WWAN upg | | Yes | vPro | Pro 32 | Jan 10 |
| r 2518-4KU | i5-520M | 2.40 | 2.93 | 4GB | 14.1" WXGA- | + LED | 2.0M | 320G 7200 | Intel 6200 ²⁸ | Gobi 2000 | Verizon | Yes | vPro | Pro 64 | Mar 10 |
| r 2518-4LU | i5-540M | 2.53 | 3.06 | 4GB | 14.1" WXGA- | + LED | 2.0M | 320G 7200 | WiMAX | WWAN upg | | Yes | v Pro | Pro 64 | Mar 10 |

- These small and medium business (SMB) models are part of the US TopSeller™ Program
 These models have a depot repair service 3-year limited warranty

| Positioning Processor | Premiere performance; two spindles Intel® Core™ i5 processor i5-520M or i5-540M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology; 3MB cache | Preloaded operating system ²⁰ - Some: Genuine Windows® 7 Professional 32 - Some: Genuine Windows 7 |
|---|---|---|
| Memory | 2GB or 4GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; tandard memory in both sockets; no sockets available; Non-italics: standard memory in one socket; one socket available | Professional 64 Preloaded applications¹⁴ (only some listed) • Rescue and Recovery™ |
| SATA DVD±RW Ultrabay Slim SATA disk | DVD burner, SATA 1.5Gb/s, 9.5mm Ultrabay slim, removable One modular bay for interchangeable devices (right side), 9.5mm high, bottom access 320GB³ (7200 rpm) or 500GB (7200 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports 2nd disk, ThinkPad Shock Mounted Hard Drive, Active Protection System™ | Access ConnectionsTM Password Manager Fingerprint Software (fingerprint models) ThinkVantage System Update |
| Widescreen display Camera | 14.1" (358mm) WXGA+ (1440x900) color, anti-glare, LED backlight, 220 nits, 16:10 aspect ratio, 300:1 contrast ratio Camera on top of screen, 2.0-megapixel, fixed focus | ThinkVantage Power Manager ThinkVantage Toolbox Lenovo Online Data Backup Norton™ Internet Security 2009 |
| Discrete graphics | NVIDIA® Quadro® NVS3100M, PCI Express® x16, 256MB memory, external analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); supports dual independent display; Maximum external resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz; 1920x1200@60Hz (single-link DVI-D via cable 45J7915) | (30 days of virus definitions) • Adobe® Reader® • Adobe Flash® Player • Windows Live™ Toolbar • Skype™ for Windows • Microsoft® Office 2007 Trial (60-day) |
| Keyboard TrackPoint® Touchpad ThinkLight™ | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keybrd, Tap Zones, scrolling regions label, multi-touch Illuminates the keyboard to improve visibility in low-light conditions | Microsoft Research AutoCollage Touch Roxio® Creator® Business Edition (DVD±RW) Roxio MyDVD® (DVD+DW) Roxio MyDVD® (DVD+DW) |
| Dimensions ³ Weight ² Case color Case material | 14.1W" (WxDxH): 13.2" x 9.4" x 1.1–1.3"; 335.5 x 239mm x 27.6–31.9mm 6-cell: starting at 5.0 lb (2.27kg); 9-cell: starting at 5.35 lb (2.43kg) Black Top: High Elasticity PolyCarbonate (HEPC); Bottom: Carbon-Fiber Reinforced Plastic | Roxio MyDVD® (DVD±RW) Corel® WinDVD® (DVD±RW) |
| Battery - type Battery - life ¹⁰ | Lithium Ion 9-cell , supports optional Slice battery (57Y4545) as 2nd battery at bottom 6-cell: up to 5.0 hr; 9-cell: up to 8.3 hr; 9-cell plus Slice battery: up to 16.6 hr | |
| Chipset ExpressCard/34 Smart Card read Multicard reader Ports | 5-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC) Four USB 2.0 (one powered), eSATA port, external monitor (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), | Supports ThinkVantage® technologies |
| PCIe Mini Card 11b/g/n Intel 6200 ²⁸ WiMAX WWAN upg Gobi™ 2000 Carrier | Two PCI Express Mini Card slots Some: 11b/g/n wireless*, ThinkPad 11b/g/n, PCIe Half Mini Card Some: 11a/b/g/n wireless*, PCIe Half Mini Card, Intel Centrino® Advanced-N 6200, 2x2 Some: 11a/b/g/n and WiMAX wireless, PCIe Half Mini Card, Intel Centrino® Advanced-N + WiMAX 6250, 2x2 AGN + 1x2 WiMAX Some: Wireless WAN upgradable Some: Wireless WAN, Qualcomm chipset, PCIe Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, contract required with service provider Some: Verizon®, contract required with service provider | 90-watt AC adapter ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support during the warranty period¹² via 800-426-7378 |
| Modem Bluetooth™ Ethernet Intel AMT Audio support | 56K V.92 ⁶ modem Bluetooth 2.1 wireless, LED indicator Non-vPro model: Intel 82577LC Gigabit Network Connection (Hanksville), PHY, PCIe x1 vPro model: Intel 82577LM Gigabit Network Connection (Hanksville), PHY, PCIe x1 Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / | ThinkPlus™.22 3-year LOR24 9x5 NBD 45K6021 ThinkPlus 4-year LOR 9x5 NBD 45K6022 ThinkPlus 5-year LOR 9x5 NBD |
| Security Security chip | speaker volume up, down and mute buttons / dual array microphone, mic mute button, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant r UPEK Fingerprint reader on palm rest, swipe sensor, LED indicator, | 45K6024 ThinkPlus 4-year P&L P/U Depot 45K6023 ThinkPlus 5-year P&L P/U Depot 45K6025 Post-warranty annual maintenance |
| Limited warranty ¹² | Power On Authentication, supports the security chip ² 3-years /1-yr battery - depot repair service / service upgrades ²² available | agreements at lenovo.com/thinkplus/warranty |
| | | ' |

| | Type-model | Processor | GHz | Memory | screen | CCFL or LED | Camera | Disk SATA GB [®] rpm | PCle Mini Card 802.11 | PCIe Mini Card WWAN | Carrier | Finger print reader | | | | Preload | Avail date |
|--------------|------------|-----------|------|--------|------------|-------------------|--------|-------------------------------------|-----------------------------|---------------------------|--------------------|---------------------------|------|---|----|---------|---------------|
| | 2516-APU | i3-330M | 2.13 | 2GB | 14.1" WXGA | LED | 2.0M | 250G 5400 | Intel 1000 | | | | | 6 | No | XP Pro | Feb 10 |
| | 2516-ARU | i3-330M | 2.13 | 2GB | 14.1" WXGA | LED | 2.0M | 320G 7200 | Intel 1000 | | | Finger | Blue | 6 | No | XP Pro | Feb 10 |
| 1 337 | 2516-BQU | i3-330M | 2.13 | 2GB | 14.1" WXGA | LED | 2.0M | 250G 5400 | Intel 1000 | Gobi 2000 | AT&T ²³ | _ | | 6 | No | XP Pro | Apr 10 |

 $\bullet \ \ \textit{These small and medium business (SMB) models are part of the \textit{US TopSeller}^{\text{\tiny{TM}}} \ \textit{Program}$

| Positioning Processor | Premiere performance; two spindles Intel® Core™ i3 processor i3-330M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology; 3MB cache | Preloaded operating system ²⁰ - Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 |
|---|--|--|
| Memory | 2GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Non-italics:</i> standard memory in one socket; one socket available | Professional 32 Preloaded applications ¹⁴ (only some listed) |
| SATA DVD±RW Ultrabay Slim SATA disk | DVD burner, SATA 1.5Gb/s, 9.5mm Ultrabay slim, removable One modular bay for interchangeable devices (right side), 9.5mm high, bottom access 250GB³ (5400 rpm) or 320GB (7200 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports 2nd disk, ThinkPad Shock Mounted Hard Drive, Active Protection System™ | Rescue and Recovery™ Access Connections™ Client Security Solution™ Fingerprint Software (fingerprint models) Thick (acceptable of the security |
| Widescreen display Camera | 14.1" (358mm) WXGA (1280x800) color, anti-glare, LED backlight, 220 nits, 16:10 aspect ratio, 300:1 contrast ratio Camera on top of screen, 2.0-megapixel, fixed focus | ThinkVantage System Update ThinkVantage Power Manager ThinkVantage Presentation Director ThinkVantage Productivity Center |
| Integrated graphics | Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); supports dual independent display; Maximum external resolution: 2560x1600 (DisplayPort) @ 60Hz; 2048x1536 (VGA) @ 75Hz; 1920x1200 @ 60Hz (single-link DVI-D via cable 45J7915) | Lenovo System Toolbox Adobe® Reader® Skype™ for Windows Roxio® Creator® Business Edition (DVD±RW) Roxio MyDVD® (DVD±RW) |
| Keyboard TrackPoint® Touchpad ThinkLight™ | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keybrd, Tap Zones, scrolling regions label, multi-touch Illuminates the keyboard to improve visibility in low-light conditions | Corel® WinDVD® (DVD±RW) Supports ThinkVantage® technologies |
| Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰ | 14.1W" (WxDxH): 13.2" x 9.4" x 1.1–1.3"; 335.5 x 239mm x 27.6–31.9mm 6-cell: starting at 5.0 lb (2.27kg); 9-cell: starting at 5.35 lb (2.43kg) Black Top: High Elasticity PolyCarbonate (HEPC); Bottom: Carbon-Fiber Reinforced Plastic Lithium Ion 6-cell, supports optional Slice battery (57Y4545) as 2nd battery at bottom 6-cell: up to 6.6 hr; 9-cell: up to 11 hr; 9-cell plus Slice battery: up to 22 hr | 65-watt AC adapter ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant |
| Chipset ExpressCard/34 Smart Card read Multicard reader | Mobile Intel QM57 Express Chipset One slot (ExpressCard/34) None | International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 |
| Ports | 5-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC) Four USB 2.0 (one powered), eSATA port, external monitor (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) | ThinkPlus™.22 1-year LOR24 9x5 NBD 45K5968 ThinkPlus 2-year LOR 9x5 NBD |
| PCIe Mini Card Intel 1000 Gobi™ 2000 | Two PCI Express Mini Card slots 11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 Some: Wireless WAN, Qualcomm chipset, PCIe Mini Card, EV-DO Rev. A, CRESSANCOMA MERA CRESSANCT TO Wireless W | 45K5969 ThinkPlus 3-year LOR 9x5 NBD 45K5970 ThinkPlus 4-year LOR 9x5 NBD |
| Carrier Modem | GPRS/WCDMA/HSPA, GPS, contract required with service provider Some: AT&T®, contract required with service provider 56K V.92® modem | 45K5973 ThinkPlus 5-year LOR 9x5 NBD 45K5975 |
| Bluetooth™ Ethernet Intel AMT | Some: Bluetooth 2.1 wireless, LED indicator Intel 82577LC Gigabit Network Connection (Hanksville), PHY, PCIe x1 Intel Active Management Technology (iAMT) | ThinkPlus 2-year P&L P/U Depot 45K5971 ThinkPlus 3-year P&L P/U Depot |
| Audio support | High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / speaker volume up, down and mute buttons / dual array microphone, mic mute button, combo audio/mic jack | 45K5972 ThinkPlus 4-year P&L P/U Depot |
| Security Security chip Fingerprint reade | Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant r Some: UPEK Fingerprint reader on palm rest, swipe sensor, LED indicator, | 45K5974 ThinkPlus 5-year P&L P/U Depot 45K5976 |
| | Power On Authentication, supports the security chip 2 1-year - depot repair service / service upgrades ²² available | Post-warranty annual maintenance agreements at lenovo.com/thinkplus/warranty |
| | - Juli apprilation del vice / Convicto apprilation available | in the state of th |

| | Wide- CCFL screen or display LED Camera | Disk SATA SATA a GB [®] rpm optical | Mini Card Mini Card | | Bat- tery Intel cells vPro Preload | Avail date |
|------------------------------|---|--|---------------------|-----------|--|---------------|
| 2516-AOU i3-330M 2 13 2GB 14 | 1"WXGA LED 20M | 250G 5400 DVD+RW | Intel 1000 None I | None None | 6 No Pro 32 | Feb 10 |

• This small and medium business (SMB) model is part of the US TopSeller™ Program

| Preinces performance; two spindles Processor Intel® Core** 13 processor 13-330M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology; 3MS cache Memory 20B std / 8GB max' / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; Non-falics: standard memory in one socket, one socket available DVD burner, SXATA 15/50Sv, 95mm Ultrabay slim, removable One modular bay for interchangeable devices (right side), 9.5mm high, bottom access SATA dxix | | | |
|--|---|--|---|
| Memory 2GB std / 8GB max / PC3-8500 1066MHz DDR3, non-partly, dual-channel capable, two 204-pin SC-DIMM sockets; Non-latics: standard memory in one socket, one socket available DVD burner, SXR1 1.566, 9.5mm Ultrabay slim, removable One modular bay for interchangeable devices (right side), 9.5mm high, bottom access 2S0GB* (6400 rpm) SATA 3.06b/s, 2.5* wide, 9.5mm high, removable, upports 2nd disk, ThinkPad 5hock Mounted Hard Drive, Active Protection System* Widescreen display display Midescreen display DVD burner, SXR1 1.566 hock Mounted Hard Drive, Active Protection System* 14.1* (358mm) WXGA (1280x800) color, anti-glare, LED backlight, 220 nits, 16:10 aspect ratio, 300:1 contrast ratio Camera Camera 14.1* (358mm) WXGA (1280x800) color, anti-glare, LED backlight, 220 nits, 16:10 aspect ratio, 300:1 contrast ratio Camera display integrated graphics Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via VGA DG-12 connector | | Intel® Core™ i3 processor i3-330M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), | - Genuine Windows® 7 Professional 32 |
| Ultrabay Slim SATA disk Part Shart Sate Sate and Sate Sate and Sate Sate and Sate Sate and Sate Sate Sate Sate Sate Sate Sate Sate | Memory | dual-channel capable, two 204-pin SO-DIMM sockets; | listed) ■ Rescue and Recovery [™] ■ Access Connections [™] |
| Thick Poor Poor Poor Poor Poor Poor Poor Poo | Ultrabay Slim | One modular bay for interchangeable devices (right side), 9.5mm high, bottom access 250GB ⁸ (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports 2nd disk, | ThinkVantage System Update ThinkVantage Power Manager ThinkVantage Toolbox Adobe® Reader® |
| Intertated graphics graphics graphics graphics graphics with a land grountior support via VGA DB-15 connector and digital monitor support via USA DB-15 connector and digital monitor support via VGA DB-15 connector and via VGA | display | 220 nits, 16:10 aspect ratio, 300:1 contrast ratio | Windows Live™ Toolbar Skype™ for Windows |
| Reyboard TrackPoint® TrackPoint® TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar³, magnifying glass UltraNav™, wide touchpad below keybrd, Tap Zones, scrolling regions label, multi-touch liluminates the keyboard to improve visibility in low-light conditions | | external analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); supports dual independent display; Maximum external resolution: 2560x1600 (DisplayPort)@60Hz; | Microsoft Research AutoCollage Touch Roxio® Creator® Business Edition (DVD±RW) Roxio MyDVD® (DVD±RW) |
| HATM (WXDXH): 13.2 x 9.4 x 1.1-1.3; 333.5 x 2339mm x 27.0-31.5mm degree for cell: starting at 5.0 lb (2.27kg); 9-cell: st | TrackPoint® Touchpad | TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keybrd, Tap Zones, scrolling regions label, multi-touch | Supports ThinkVantage® technologies 65-watt AC adapter ThinkPad Roll Cage (one-piece |
| Chipset ExpressCard/34 One slot (Express Card/34) Smart Card reader Ports Ports Ports Pole Mini Card Intel 1000 WWAN upp Modem Bluetooth™ Bluetooth™ Ethernet Intel AMT Audio support Ethernet Intel AMT Audio support Security Secu | Weight ² Case color Case material | 6-cell: starting at 5.0 lb (2.27kg); 9-cell: starting at 5.35 lb (2.43kg) Black Top: High Elasticity PolyCarbonate (HEPC); Bottom: Carbon-Fiber Reinforced Plastic Lithium Ion 6-cell, supports optional Slice battery (57Y4545) as 2nd battery at bottom | EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support during the warranty period¹2 |
| Intel 1000 WWAN upg Modem Bluetooth™ Intel AMT Intel AMT Audio support High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / speaker volume up, down and mute buttons / combo audio/mic jack Security Security Fingerprint reader Fingerprint reader INO PCI Express Mini Card slots 45K5973 ThinkPlus 5-year LOR 9x5 NBD ThinkPlus 5-year LOR 9x5 NBD A5K5975 ThinkPlus 2-year P&L P/U Depot 45K5971 ThinkPlus 3-year P&L P/U Depot 45K5972 ThinkPlus 4-year P&L P/U Depot 45K5974 ThinkPlus 5-year LOR 9x5 NBD ThinkPlus 5-year LOR 9x5 NBD ThinkPlus 5-year LOR 9x5 NBD A5K5975 ThinkPlus 2-year P&L P/U Depot 45K5972 ThinkPlus 4-year P&L P/U Depot 45K5974 ThinkPlus 5-year P&L P/U Depot 45K5976 ThinkPlus 6-year P&L P/U Depot 45K5976 | ExpressCard/34 Smart Card read Multicard reader | One slot (ExpressCard/34) None 5-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC) Four USB 2.0 (one powered), eSATA port, external monitor (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), | ThinkPlus™.22 1-year LOR24 9x5 NBD 45K5968 ThinkPlus 2-year LOR 9x5 NBD 45K5969 ThinkPlus 3-year LOR 9x5 NBD 45K5970 |
| agreements at | Intel 1000 WWAN upg Modem Bluetooth™ Ethernet Intel AMT Audio support Security Security chip | 11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 None 56K V.926 modem None Intel 82577LC Gigabit Network Connection (Hanksville), PHY, PCIe x1 Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / speaker volume up, down and mute buttons / dual array microphone, mic mute button, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant | 45K5973 ThinkPlus 5-year LOR 9x5 NBD 45K5975 ThinkPlus 2-year P&L P/U Depot 45K5971 ThinkPlus 3-year P&L P/U Depot 45K5972 ThinkPlus 4-year P&L P/U Depot 45K5974 ThinkPlus 5-year P&L P/U Depot 45K5976 Post-warranty annual maintenance |
| | | | |

ThinkPad® T410 Accessories

| Memory 1GB PC3-8500 DDR3 Low-Halogen SODIMM 55Y3706 ann 06/23 1GB PC3-8500 DDR3 L-H SODIMM (25-Pack) 57Y4385 ann 06/23 2GB PC3-8500 DDR3 Low-Halogen SODIMM 55Y3707 ann 06/23 2GB PC3-8500 DDR3 L-H SODIMM (25-Pack) 57Y4386 ann 06/23 4GB PC3-8500 DDR3 Low-Halogen SODIMM 55Y3708 ann 06/23 Ultrabay Slim 9.5mm | //09 Kensington Twin Head Cable Lock 45K1620 ann 09/30/08 //09 USB Gemplus GemPC Smart Card Reader 41N3040 ann 02/21/06 //09 ThinkPad T400/T410/R400 Privacy Filter 43R2472 ann 08/05/08 |
|---|--|
| Serial ATA Hard Drive Bay Adapter III 43N3412 ann 06/23 DVD Burner Ultrabay Slim Drive II SATA 1.5G/s 43N3229 ann 06/23 Ultrabay Slim Blu-ray Burner II (SATA) 43N3230 ann 06/23 Storage and removable storage | /09 ThinkPad Battery 55+ (6-cell) 57Y4185 ann 03/30/10 |
| 160GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ 41N5692 ann 03/20 160GB Disk SATA 1.5Gb/s (7200 rpm) ⁴¹ 41N5737 ann 10/16 250GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ 43R8152 ann 01/15 250GB Disk FDE SATA 1.5Gb/s (7200 rpm) ⁴¹ 43N3410 ann 01/20 | /07 attaches under ThinkPad using docking connector (not supported when using Series 3 Port Replicator or Docks). /08 ThinkPad External Battery Charger 40Y7625 ann 09/20/05 |
| 320GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ 320GB Disk SATA 1.5Gb/s (7200 rpm) ⁴¹ 43N3403 ann 08/05 43N3411 ann 01/20 43N3420 ann 06/23 43N3423 ann 01/07 41 Can be used as the main HDD or | //08 ThinkPad 65W AC Adapter ⁴⁵ 40Y7696 <i>ann 01/05/06</i> //09 45 Only compatible with the integrated graphics models. |
| with Serial ATA Hard Drive Bay Adapter III 43N3412 in the Ultrabay | More info at www.lenovo.com/support/poweradapters |
| 128GB SSD SATA 3.0Gb/s 1.8" (2.5" cover) 43N3406 ann 08/26 256GB FDE SSD SATA 3Gb/s 1.8"(2.5" cover) 43N3417 ann 06/23 | /08 Charging tips for 90W Ultraslim AC/DC Combo Adapter 41R4493 •BlackBerry charge tip (L8a) 41R4478 ann 12/18/07 |
| USB 2.0 Essential Memory Key 4GB 45J7904 ann 06/24 USB 2.0 Essential Memory Key 8GB 45J7905 ann 07/15 USB 2.0 Essential Memory Key 32GB 45K1258 ann 10/26 USB 2.0 Essential Memory Key 32GB 45K1258 ann 10/26 USB 2.0 | /08 /08 More information at www.lenovopowertips.com |
| USB 2.0 Ultra Secure Memory Key 2GB 45J5916 ann 08/26 USB 2.0 Ultra Secure Memory Key 4GB 45J5917 ann 08/26 USB 2.0 Ultra Secure Memory Key 8GB 45J5918 ann 08/26 | /08 Un to 14" widescreen models: |
| USB 2.0 Portable 320GB Hard Disk USB 2.0 Portable 500GB Hard Disk USB 2.0 Portable Secure 160GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk eSATA/USB 2.0 Secure 500GB Hard Drive USB 2.0 Super Multi-Burner Drive USB 2.0 Portable DVD Burner 45K1689 ann 03/17 43R2018 ann 11/18 43R2019 ann 01/07 41N5565 ann 01/07 41N5565 ann 01/03 | Op 10 15.4 widescreen models. ThinkPad 15W Case Sleeve |
| Wireless WAN (Mini PCI Express) Only WWAN upgradable models: ThinkPad Gobi™ 2000 Broadband Option 78Y1399 ann 01/07 | ThinkPad Business Backpack 43R2482 ann 05/13/08 ThinkPad Deluxe Expander Case 43R2478 ann 05/13/08 ThinkPad Executive Leather Case 43R2480 ann 05/13/08 |
| ThinkPad AT&T® Gobi 2000 Broadband Option 78Y1398 ann 01/07 ThinkPad Expansion Lenovo® Essential Notebook Stand 45J9292 ann 05/12 | Wenger Backpack for Lenovo 57Y4271 ann 01/07/10 Wenger Slim Case for Lenovo 57Y4272 ann 01/07/10 |
| USB Port Replicator with Digital Video ThinkPad Port Replicator Series 3 433610W ann 06/23 ThinkPad Mini Dock Series 3 433710U ann 06/23 | /09 Lenovo luxury cases at www.lenovoluxurycases.com |
| ThinkPad Mini Dock Plus Series 3 433810U ann 06/23 ThinkPad Mini Dock Plus Series 3 - Mobile WS 433820U ann 01/07 | ⁷⁰⁹ ThinkVision® L1711p 17" Monitor 5047HR2 app 10/20/00 |
| KeyboardTrackPoint Cap Collection73P2698 ann 12/16USB Numeric Keypad33L3225 ann 05/01Preferred Pro USB Keyboard73P5220 ann 06/21Enhanced Performance USB Keyboard73P2620 ann 03/23 | 7/03 ThinkVision L2250p Wide 22" Monitor ThinkVision L2251p Wide 22" Monitor ThinkVision L2251p Wide 22" Monitor ThinkVision L2251x Wide 22" Monitor 2572HD6 ann 10/20/09 2578HB6 ann 10/20/09 |
| Ultraslim Wireless Keyboard and Mouse ⁵² 52 Wireless via 2.4GHz technology using a micro-size USB receiver ThinkPad USB Keyboard with TrackPoint Lenovo® USB Fingerprint Keyboard Lenovo USB Smartcard Keyboard 51J0155 ann 03/24 | //09 Lenovo USB-to-DVI Monitor Adapter Lenovo DisplayPort to VGA Monitor Cable DisplayPort to Single-link DVI-D Cable ThinkVision USB Soundbar 45K1263 ann 09/16/08 45K1263 ann 09/16/08 |
| Mouse Lenovo Mini Optical Mouse - Black (USB) Lenovo Mini Optical Mouse - White (USB) Lenovo Optical Mouse (USB) Lenovo Laser Mouse (USB) ThinkPad USB Laser Mouse 55Y9308 ann 05/19 55Y9309 ann 05/19 41U3074 ann 01/23 57Y4635 ann 12/19 | //09 Radial Arm 19K4464 <i>ann 05/05/00</i> 46 Compatible on selected Lenovo and ThinkVision monitors. |
| Lenovo ScrollPoint® Mouse (USB, Optical) ThinkPad Travel Mouse (USB, Optical) ThinkPad Bluetooth Laser Mouse 31P7405 ann 08/27 31P7410 ann 06/04 41U5008 ann 01/22 | /02 More information at www.ienovo.com/support/monitoraccessories |
| Multimedia ThinkPad In-Ear Headphones 57Y4488 ann 01/07 | www.lenovo.com/support/notebookaccessories www.lenovo.com/support/security |
| | Other accessories at www.lenovo.com/accessories Accessories Guide pdf at www.lenovo.com/accessoriesguide |





Lenovo® ThinkPad T400s



Lenovo ThinkPad T400s with ThinkPad Mini Dock Series 3 433710U



ThinkPad Mini Dock Plus Series 3 433810U



ThinkPad Battery 59+ (6-cell) 51J0497



Lenovo ThinkPad T400s



Lenovo ThinkPad T400s

| Type-mode | Proc- l essor | GHz | Memor | s | Wide- screen lisplay | | | Disk ted SATA cs GB ⁸ rpm | SATA optical | Mini PCle 802.11 wireless | Mini PCIe WWAN | UWB | Finger print Blue- reader tooth | | Preload | Avail d date |
|------------------------------------|------------------|------|-------|------|----------------------------|---|-----|--|--------------|---|-------------------|---------|---------------------------------------|-------------------------------|---------|-----------------|
| 2808-DHU 2808-DJU 8 2808-DKU | SP9400 | 2.40 | 2GB | 14.1 | " WXGA+ | - | GMA | 250G 5400 | DVD±RW | Intel 5100² Intel 5100 Intel 5100 | WWAN up | og None | Fing | Express Express Express | XPP | Oct 09 |

• These small and medium business (SMB) models are part of the US TopSeller™ Program

| Positioning Processor | Premiere performance and ultraportability; two spindles Intel® Core™ 2 Duo processor SP9400 with dual-core, Intel HD Boost,1066MHz system bus, and 6MB L2 cache | Preloaded operating system ²⁰ - Windows® XP Professional preinstalled through downgrade |
|--|---|---|
| Memory | 2GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; Non-italics: standard memory in one socket; one socket available | rights in Genuine Windows 7 Professional 32 Preloaded applications ¹⁴ (only some |
| SATA DVD±RW Ultrabay Slim SATA disk | DVD burner, SATA 1.5Gb/s, 9.5mm Ultrabay slim, removable One modular bay for interchangeable devices (right side), 9.5mm high, bottom access Some: 128GB* Solid State Drive (SSD) / SATA 3.0Gb/s, 1.8" wide, 5mm high Some: 120GB (5400 rpm) or 250GB (5400 rpm) / SATA 3.0Gb/s, 1.8" wide, 8mm high, Active Protection System™ All: removable, upgradable, supports 2nd disk, Shock Mounted Hard Drive | listed) • Rescue and Recovery™ • Access Connections™ • Client Security Solution™ • ThinkVantage Productivity Center • ThinkVantage System Update |
| Widescreen display Camera | 14.1" (358.1mm) WXGA+ (1440x900) color, anti-glare, LED backlight, 300 nits, 16:10 aspect ratio, 300:1 contrast ratio Some: camera on top of screen, 2.0-megapixel, fixed focus | Fingerprint Software (fingerprint models) McAfee VirusScan® Plus with SiteAdvisor™ (30 days of |
| Integrated graphics | Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GS45, external analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); supports dual independent display; Maximum external resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@75Hz; 1920x1200@60Hz (single-link DVI-D via cable 45J7915) | virus definitions) • Lenovo System Toolbox • ThinkPad Utilities (Power Manager and Presentation Director) • Adobe® Reader® • Windows Live™ Toolbar |
| Keyboard TrackPoint® Touch pad | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label, multi-touch | Microsoft® Office 2007 Trial (60-day) Roxio® Creator® Business Edition (DVD±RW) Roxio MyDVD® (DVD±RW) |
| ThinkLight™ | Illuminates the keyboard to improve visibility in low-light conditions | Corel® WinDVD® (DVD±RW) |
| Dimensions ³ Weight ² Case material Battery - type Battery - life ¹⁰ | 14.1W" (WxDxH): 13.3" x 9.5" x 0.83–1.02"; 337 x 241mm x 21.1–25.9mm 6-cell: starting at 3.9 lb (1.77kg) Display cover: Carbon-fiber reinforced plastic (top), glass-fiber reinforced plastic (side walls); Base: Magnesium alloy Lithium Ion 6-cell, supports unique 2nd battery in Ultrabay Slim 6-cell: up to 5.5 hr; 6-cell plus Ultrabay battery: up to 8.5 hr | |
| Chipset | Mobile Intel GS45 Express Chipset (Graphics Memory Controller Hub); ICH9M-SFF-Enhanced I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, | Supports ThinkVantage® technologies |
| ExpressCard/34 Smart Card Read Multicard Reader Ports | | 65-watt (GMA graphics) AC adapter ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Gold rating ENERGY STAR® 5.0-compliant |
| Mini PCI Express Intel 5100 ²⁸ WWAN upg 2G Turbo UWB | Three Mini PCI Express slots 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) Wireless WAN upgradable, requires Verizon ® (43R9151) or AT&T ® (43R9152) None None | RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 |
| Modem Bluetooth™ Ethernet Intel AMT Audio support | None Some: Bluetooth 2.1 wireless, LED indicator Intel 82567LM Gigabit Network Connection (Boazman), PHY, PCIe x1 Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant CX20585 codec / stereo speakers, 1 watt / speaker volume up, down and mute buttons / dual array microphone, mic mute button, | ThinkPlus™.22 3-year LOR24 9x5 NBD 45K6021 ThinkPlus 4-year LOR 9x5 NBD 45K6022 ThinkPlus 5-year LOR 9x5 NBD 45K6024 |
| Security Security chip | combo audio/mic jack Hardware Password Manager (HPM), Intel AntiTheft (AT), Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant | ThinkPlus 4-year P&L P/U Depot 45K6023 ThinkPlus 5-year P&L P/U Depot |
| | r Fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip | 45K6025 Post-warranty annual maintenance |
| Limited warranty ¹² | ² 3-years /1-yr battery - depot repair service / service upgrades ²² available | agreements at lenovo.com/thinkplus/warranty |

Wide- Disk Mini PCle Mini PCle Mini PCle Mini PCle Mini PCle Finger

Proc- screen Cam- Integrated SATA SATA 802.11 WWAN UWB print Blue- Card Avail
Type-model essor GHz Memory display era graphics GB® rpm optical wireless or Turbo readertooth slot Preload date

2808-DLU SP9600 2.53 4GB 14.1" WXGA+ Cam GMA 128G SSD DVD±RW + Intel 510028 AT&T23 None Fing Blue Express Pro 64 Nov 09

This small and medium business (SMB) model is part of the US TopSeller™ Program

| Positioning Processor | Premiere performance and ultraportability; two spindles Intel® Core™ 2 Duo processor SP9600 with dual-core, Intel HD Boost,1066MHz system bus, and 6MB L2 cache | Preloaded operating system ²⁰ - Genuine Windows [®] 7 Professional 64 |
|---|---|---|
| Memory | 4GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics</i> : standard memory in both sockets; no sockets available | Preloaded applications¹⁴ (only some listed) • Rescue and Recovery™ |
| SATA DVD±RW Ultrabay Slim SATA disk | DVD burner, SATA 1.5Gb/s, 9.5mm Ultrabay slim, removable One modular bay for interchangeable devices (right side), 9.5mm high, bottom access 128GB ⁸ Solid State Drive (SSD) / SATA 3.0Gb/s, 1.8" wide, 5mm high, removable, upgradable, supports 2nd disk, Shock Mounted Hard Drive | Access Connections [™] Password Manager ThinkVantage Power Manager ThinkVantage System Update Fingerprint Software (fingerprint |
| Widescreen display Camera | 14.1" (358.1mm) WXGA+ (1440x900) color, anti-glare, LED backlight, 300 nits, 16:10 aspect ratio, 300:1 contrast ratio Camera on top of screen, 2.0-megapixel, fixed focus | models) ThinkVantage Toolbox Lenovo Online Data Backup Norton™ Internet Security 2009 |
| Integrated graphics | Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GS45, external analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); supports dual independent display; Maximum external resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@75Hz; 1920x1200@60Hz (single-link DVI-D via cable 45J7915) | (30 days of virus definitions) • Adobe® Reader® • Adobe Flash® Player • Skype™ for Windows • Microsoft® Office 2007 Trial (60-day) • Microsoft Research AutoCollage |
| Keyboard TrackPoint® Touch pad | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label, multi-touch | Touch Roxio® Creator® Business Edition (DVD±RW) Roxio MyDVD® (DVD±RW) |
| ThinkLight™ Dimensions³ Weight² Case material Battery - type Battery - life¹0 | Illuminates the keyboard to improve visibility in low-light conditions 14.1W" (WxDxH): 13.3" x 9.5" x 0.83–1.02"; 337 x 241mm x 21.1–25.9mm 6-cell: starting at 3.9 lb (1.77kg) Display cover: Carbon-fiber reinforced plastic (top), glass-fiber reinforced plastic (side walls); Base: Magnesium alloy Lithium Ion 6-cell, supports unique 2nd battery in Ultrabay Slim 6-cell: up to 5.5 hr; 6-cell plus Ultrabay battery: up to 8.5 hr | Corel® WinDVD® (DVD±RW) |
| Chipset ExpressCard/34 | Mobile Intel GS45 Express Chipset (Graphics Memory Controller Hub); ICH9M-SFF-Enhanced I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC) One slot (ExpressCard/34) | Supports ThinkVantage® technologies |
| Smart Card Read Multicard Reader Ports | None | 65-watt (GMA graphics) AC adapter ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Gold rating |
| Mini PCI Express Intel 5100 ²⁸ AT&T ²³ 2G Turbo | Three Mini PCI Express slots 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) Wireless WAN, Qualcomm Gobi 1000 chipset, Mini PCIe adapter and SIM, GPRS/WCDMA/HSPA, GPS, service contract required with AT&T® None | ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² |
| UWB Modem Bluetooth™ Ethernet Intel AMT Audio support | None None None Bluetooth 2.1 wireless, LED indicator Intel 82567LM Gigabit Network Connection (Boazman), PHY, PCIe x1 Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant CX20585 codec / stereo speakers, 1 watt / | via 800-426-7378 ThinkPlus ^{TM.22} 3-year LOR ²⁴ 9x5 NBD 45K6021 ThinkPlus 4-year LOR 9x5 NBD 45K6022 |
| Security | speaker volume up, down and mute buttons / dual array microphone, mic mute button, combo audio/mic jack Hardware Password Manager (HPM), Intel AntiTheft (AT), Power-on password, hard disk password, supervisor password, security keyhole | ThinkPlus 5-year LOR 9x5 NBD 45K6024 ThinkPlus 4-year P&L P/U Depot 45K6023 ThinkPlus 5-year P&L P/U Depot |
| | Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip | Post-warranty annual maintenance agreements at |
| Limited warranty ¹² | 3-years/1-yr battery - depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty |

ThinkPad® T400s Accessories

| 1GB PC3-8500 DDR3 L-H SODIMM (25-Pack) 5774385 ann 06/23/09 and 1923/09 and 19 | |
|--|--|
| Ultrabay Slim 9.5mm Asni ATA Hard Drive Bay Adapter III 43N3412 ann 06/23/09 DVD Burner Ultrabay Slim Drive II SATA 1.5G/4 43N3229 ann 06/23/09 TinnkPad 45W AGA dapter Page 10/17698 More information at www.lenovo.com/alldaycomputit Various Page 20/1769 Storage and temovable storage 18** 250GB Disk SATA 3.0Gbs (5400 pm) 500GB Disk SATA 3.0Gbs (5400 pm) 43N34320 ann 06/23/09 43N34320 ann 06/23/0 | 55Y3706 ann 06/23/09 57Y4385 ann 06/23/09 55Y3707 ann 06/23/09 57Y4386 ann 06/23/09 57Y4386 ann 06/23/09 57Y4386 ann 06/23/09 57Y4386 ann 06/23/09 43 Used in Ultrabay Slim bay. 57Y4386 ann 06/23/09 44 Requires the ThinkPad 90W AC Adapter |
| Size Alm Rad Unitabley Slim Blury aphurer it (SATA) 1.5(3/s 43/832) ann 06/23/09 Ultracibin Carry Shurrer it (SATA) 3.0(3/s 43/832) ann 06/23/09 Ultracibin Carry Shurrer it (SATA) 4.3(3/s 43/832) ann 06/23/09 Storage and removable storage 43/8320 ann 06/23/09 1.8° 250 GB Disk SATA 3.0(5/s (5400 rpm)*) 500 GB Disk SATA 3.0(5/s (5400 rpm)*) 600 GB Disk | More information at www.lenovo.com/allday.computing |
| Storage and removable storage 1.8° 25006 Disk SATA 3.0Gbb (5400 rpm) 3.8° 25006 Disk SATA 3.0Gbb (5400 rpm) 3.8° 25006 Disk SATA 3.0Gbb (7200 rpm) 3.8° 35006 Disk SATA 3.0Gbb (7200 rpm) 4.8° 35006 Disk Disk Disk SATA 3.0Gbb (7200 rpm) 4.8° 35006 Disk Disk Disk SATA 3.0Gbb (7200 rpm) 4.8° 3500 Disk Disk Disk SATA 3.0Gbb (7200 rpm) 4.8° 3500 Disk Disk Disk Disk Disk Disk Disk Disk | 43N3219 ann 06/23/09 ThinkPad 65W AC Adapter ⁴⁵ 40Y7696 ann 01/05/06 43N3230 ann 06/23/09 ⁴⁵ Only compatible with the integrated graphics models. |
| 1.8" 250GB Disk SATA 3.0Gb/s (5400 rpm) st 43N3420 ann 06/23/09 500GB Disk SATA 3.0Gb/s (5400 rpm) st 43N3423 ann 01/07/10 2 (1) 2 | |
| 500GB Disk SATA 3.0Gb/s 1,8" (2.5" cover)** 1 28GB SSD SATA 3.0Gb/s 1,8" (2.5" cover)** 1 28GB SSD SATA 3.0Gb/s 1,8" (2.5" cover)** 2 38A3 SSD SATA 3.0Gb/s 1,8" (2.5" cover)** 3 38A3406 ann 08/28/08 2 36GB FDE SSD SATA 3.0Gb/s 1,8" (2.5" cover)** 3 38A3417 ann 06/23/09 3 41R4481 2 56GB FDE SSD SATA 3.0Gb/s 1,8" (2.5" cover)** 3 43A3421 ann 06/23/09 3 41R4481 2 56GB FDE SSD SATA 3.0Gb/s 1,8" (2.5" cover)** 3 43A3417 ann 06/23/09 3 41R4481 3 56GB FDE SSD SATA 3.0Gb/s 1,8" (2.5" cover)** 3 45L7904 ann 06/23/09 3 45L7904 ann 06/23/09 3 45L7904 ann 06/24/08 3 45L7904 ann | 43N3418 ann 06/23/09 More into at www.lenovo.com/support/noweradanters |
| 26/08 POD SSD SATA Wabs (1 Strong 19 As 10 | 43N3423 ann 01/07/10 Charging tips for 90W Ultraslim AC/DC Combo Adapter 41R4493 •BlackBerry charge tip (L8a) 41R4478 ann 12/18/07 •iPod and iPhone Charge Tip (L10a) 41R4481 ann 12/18/07 |
| with <i>Serial ATA Hard Drive Bay Adapter III 43N/3412</i> in Ultrabay via the removable adaptive cover provided with the drive USB 2.0 Essential Memory Key 4GB 45,17904, ann 06/24/08 USB 2.0 Essential Memory Key 4GB 45,17904, ann 06/24/08 USB 2.0 Essential Memory Key 4GB 45,17905, ann 07/15/08 USB 2.0 Ultra Secure Memory Key 4GB 45,15916, ann 08/26/08 USB 2.0 Ultra Secure Memory Key 4GB 45,15916, ann 08/26/08 USB 2.0 Ultra Secure Memory Key 4GB 45,15916, ann 08/26/08 USB 2.0 Ultra Secure Memory Key 4GB 45,15916, ann 08/26/08 USB 2.0 Ultra Secure Memory Key 4GB 45,15916, ann 08/26/08 USB 2.0 Ultra Secure Memory Key 8GB 45,15916, ann 08/26/08 USB 2.0 Portable 320GB Hard Disk 451690 ann 05/26/09 USB 2.0 Portable Secure 160GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk 43R2019 ann 11/18/08 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 ann 11/18/08 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 ann 11/18/08 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 ann 11/18/08 USB 2.0 Portable Secure 320GB Hard Disk 43R2019 ann 11/18/08 USB 2.0 Super Multi-Burner Drive 41N5565 ann 01/03/10 USB 2.0 Super Multi-Burner Drive 41N5656 ann 01/03/10 USB 2.0 Portable Secure 30 USB Numer 40 USB Keyboard 51NinkPad Mini Dock Flus Series 3 43310 W ann 06/23/09 USB Numer 50 USB Series 3 43310 W ann 06/23/09 USB Numer 60 USB Series 3 43310 W ann 06/23/09 USB Numer 60 USB Series 3 (Mobile WS) 433820 U ann 06/23/09 USB Numer 60 USB Keyboard 73P4230 ann 06/23/09 USB Fingerprint Keyboard 73P4230 ann 06/23/09 USB Singerprint Keyboard 73P4230 ann 06/23/09 USB Singerprint Keyboard 73P4330 ann 06/23/09 USB Singerprint Keyboard 73P4330 ann 06/23/09 USB Fingerpr | 43N3400 ann 06/20/00 |
| USB 2.0 Essential Memory Key 3GB USB 2.0 Essential Memory Key 3GB USB 2.0 Ultra Secure Memory Key 1GB USB 2.0 Ultra Secure Memory Key 1GB USB 2.0 Ultra Secure Memory Key 4GB USB 2.0 Portable 3Cogle Hard Disk USB 2.0 Portable 500GB Hard Disk USB 2.0 Portable Secure 160GB Hard Disk USB 2.0 Portable Secure 160GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk USB 2.0 Portable Secure 500GB Hard Di | vith the drive Up to 14" widescreen models: |
| USB 2.0 Ultra Secure Memory Key 2GB USB 2.0 Ultra Secure Memory Key 1GB 45.45915 ann 08/26/08 USB 2.0 Ultra Secure Memory Key 2GB USB 2.0 Ultra Secure Memory Key 4GB USB 2.0 Portable S200GB Hard Disk USB 2.0 Portable S200GB Hard Disk USB 2.0 Portable Secure 160GB Hard Disk USB 2.0 Portable Secure 160GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk USB 2.0 Super Multi-Burner Drive USB 2.0 Portable DVD Burner 43R9151 ann 08/05/08 43R9152 ann 01/23/07 Wireless WAN (Mini PCI Express) Verizone WWAN UNDP Broadband Mini PCIe AT&T® WWAN HSPA Broadband Mini PCIe AT&T® WWAN HSPA Broadband Mini PCIe AT&T® WWAN USB 2.0 Stand USB Port Replicator Series 3 43810U ann 06/23/09 ThinkPad Mini Dock Plus Series 3 USB Numeric Keybaard Usb Keyboard Usb Keybo | 45J79U4 ann U6/24/U8 |
| USB 2.0 Portable 320GB Hard Disk USB 2.0 Portable 500GB Hard Disk USB 2.0 Portable 500GB Hard Disk USB 2.0 Portable 500GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk USB 2.0 Super Multi-Burner Drive USB 2.0 Portable DVD Burner 43N3264 ann 01/23/07 USB 2.0 Super Multi-Burner Drive USB 2.0 Portable DVD Burner 43N3264 ann 01/23/07 USB Case for Lenovo 57Y4273 USB 2.0 Portable DVD Broadband Mini PCle 43R9151 ann 08/25/08 43R9152 ann 08/26/08 43R9152 | 45K1258 ann 10/28/08 ThinkPad 15W Case Sleeve 51J0477 ann 08/18/09 45J5915 ann 08/26/08 Lenovo Business Messenger Case 51J0475 ann 08/18/09 45J5916 ann 08/26/08 Lenovo Messenger Max 41U5253 ann 05/01/07 45J5917 ann 08/26/08 Lenovo Performance BackPack 41U5254 ann 05/01/07 |
| eSATA/USB 2.0 Secure 500GB Hard Drive USB 2.0 Super Multi-Burner Drive 41NS565 ann 01/05/10 USB 2.0 Portable DVD Burner 43N3264 ann 01/05/10 Wireless WAN (Mini PCI Express) Verizon® WWAN UNDP Broadband Mini PCIe AT&T® WWAN HSPA Broadband Mini PCIe AT&T® WWAN HSPA Broadband Mini PCIe UsB Yerizon® WWAN UNDP Broadband Mini PCIe AT&T® WWAN HSPA Broadband Mini PCIe UsB Yerizon® WWAN HSPA Broadband Mini PCIe UsB Yerizon® WWAN UNDP Broadband Mini PCIe AT&T® WWAN HSPA Broadband Mini PCIe UsB Yerizon® WWAN HSPA Broadband Mini PCIe 43R9151 ann 08/26/08 43R9152 ann 08/28/09 71hinkPad Mini Dock Plus Series 3 438100 ann 08/28/09 71hinkPad Mini Dock Plus Series 3 (Mobile WS) 433820U ann 08/28/09 71hinkPad UsB Keyboard TrackPoint Cap Collection Type Yer Yer Yer Yer Yer Yer Yer Yer Yer Ye | 45K1689 ann 03/17/09 45K1690 ann 05/26/09 43R2018 ann 11/18/08 ThinkPad Business Topload Case 43R2476 ann 05/13/08 43R2482 ann 05/13/08 43R2482 ann 05/13/08 |
| Wireless WAN (Mini PCI Express) Verizon® WWAN UNDP Broadband Mini PCIe AT&T® WWAN HSPA Broadband Mini PCIe ASP922 ann 05/12/09 ASP1 Monitor ASP1 Monitor ATHINKVision L1951 Wide 19' Monitor Ad431HE1 ATHINIA Monitor Ad48HBA ThinkVision L1951 Wide 19' Monitor Ad48HBA ThinkVision L1951 Wide 22' Monitor All HEI ThinkVision L1951 Wide 19' Monitor Ad49HBA ThinkVision L1951 Wide 19' Monitor All HEI ThinkVision L1951 Wide 19' Monitor All HEI ThinkVision L1951 Wide 19' Monitor | 57Y4400 ann 01/07/10 Up to 15.6" widescreen models: 41N5565 ann 01/23/07 Wenger Backpack for Lenovo 57Y4271 ann 01/07/10 43N3264 ann 01/05/10 Wenger Slim Case for Lenovo 57Y4272 ann 01/07/10 |
| ThinkPad Expansion Lenovo® Essential Notebook Stand Lenovo® Essential Notebook Stand USB Port Replicator with Digital Video ThinkPad Port Replicator Series 3 ThinkPad Mini Dock Series 3 ThinkPad Mini Dock Series 3 ThinkPad Mini Dock Plus Series 3 ThinkPad USB Keyboard TrackPoint Cap Collection TrackPoint Accessories Monitor Cap Cap Monitor TrackPoint Vision L1251p Wide 22" Monitor TrackPoint Cap Collection TrackPoint Accessories TrackPoint Accessories TrackPoint Accessories TrackPoint Accessories TrackPoint Accessories TrackPoint Accessories TrackPoint Access | 43R9151 ann 08/05/08 Lenovo luxury cases at www.lenovoluxurycases.com |
| TrackPoint Cap Collection USB Numeric Keypad USB Numeric Keypad Preferred Pro USB Keyboard Ultraslim Wireless Keyboard and Mouses Wireless via 2.4GHz technology using a micro-size USB receiver. ThinkPad USB Keyboard With TrackPoint Lenovo USB Fingerprint Keyboard Lenovo USB Smartcard Keyboard Mouse Lenovo UsB Smartcard Keyboard S5Y9033 ann 08/18/09 55Y9303 ann 03/24/09 Mouse Lenovo Mini Optical Mouse - Black (USB) Lenovo Dipial Mouse (USB) Lenovo USB Laser Mouse Lenovo USB, Optical) 73P2698 ann 12/16/03 33L3225 ann 05/01/00 73P5220 ann 06/21/05 73P2620 ann 03/23/04 57Y4700 ann 09/15/09 15P10102 ann 03/23/04 15P74700 ann 09/15/09 15P10102 ann 05/10/09 15P10103 ann 05/19/09 15P1 | 45J9292 ann 05/12/09 45K1610 ann 07/28/09 433610W ann 06/23/09 433810U ann 06/23/09 438810U a |
| Lenovo Mini Optical Mouse - Black (USB) Lenovo Mini Optical Mouse - White (USB) Lenovo Optical Mouse (USB) Lenovo Laser Mouse (USB) ThinkPad USB Laser Mouse Lenovo ScrollPoint® Mouse (USB, Optical) 55Y9308 ann 05/19/09 55Y9309 ann 05/19/09 06P4069 ann 05/21/03 41U3074 ann 01/23/07 57Y4635 ann 12/15/09 31P7410 ann 06/04/02 | 73P2698 ann 12/16/03 33L3225 ann 05/01/00 73P5220 ann 06/21/05 73P2620 ann 03/23/04 57Y4700 ann 09/15/09 ro-size USB receiver. 55Y9003 ann 08/18/09 73P4730 ann 02/22/05 |
| | 55Y9309 ann 05/19/09 06P4069 ann 05/21/03 41U3074 ann 01/23/07 57Y4635 ann 12/15/09 31P7405 ann 08/27/02 31P7410 ann 06/04/02 |
| Security Kensington® MicroSaver® Cable Lock Kensington Twin Head Cable Lock USB Gemplus GemPC Smart Card Reader Multimedia ThinkPad In-Ear Headphones ThinkPad In-Ear Headphones ThinkPad In-Ear Headphones Table Lock 45K1620 ann 09/30/08 41N3040 ann 02/21/06 45K1620 ann 09/30/08 41N3040 ann 02/21/06 | 45K1620 ann 09/30/08 41N3040 ann 02/21/06 For more information on ThinkPad accessories, please visit: www.lenovo.com/support/accessories www.lenovo.com/support/notebookaccessories |
| Modem Other accessories at www.lenovo.com/accessories | Other accessories at www.lenovo.com/accessories |
| 40111014 ann 02/20/00 Accessories duide put at www.ieflovo.com/accessories | © Lenovi |







Lenovo® ThinkPad T410s

Lenovo ThinkPad T410s



ThinkPad Battery 42 (3-cell, bay) 57Y4536



ThinkPad Battery 59+ (6-cell) 51J0497



Lenovo ThinkPad T410s



Lenovo ThinkPad T410s

| Type-model Processo | Max Base turbo r (GHz) (GHz) | | Wide- screen y display | Camera | Disk SATA GB ⁸ rpm | SATA optical | PCle Mini Card 802.11 | PCle Mini Card WWAN | Fing/ Blue | | Intel vPro | Preload | Avail date |
|---------------------|------------------------------------|-----|------------------------------|--------|-------------------------------------|--------------|-----------------------------|---------------------------|---------------|---------|---------------|---------|---------------|
| 2901-A3U i5-520M | 2.40 2.93 | 2GB | 14.1" WXGA+ | 2.0M | 250G 5400 | DVD±RW | 11b/g/n | WWAN upg | Yes | Express | | XP Pro | Feb 10 |
| 2901-A4U i5-520M | 2.40 2.93 | 2GB | 14.1" WXGA+ | 2.0M | 80G SSD | DVD±RW | Intel 6200 ²⁸ | WWAN upg | Yes | Express | vPro | XP Pro | Feb 10 |

These small and medium business (SMB) models are part of the US TopSeller™ Program

| Processor Intel® Core DMI (Direct Intel Turbo | erformance and ultraportability; two spindles ™ i5 processor i5-520M with dual-core, Media Interface), integrated DDR3 memory controller (up to 1066MHz), Boost, Hyper-Threading technology; 3MB cache | Preloaded operating system ²⁰ - Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 | | | | |
|---|---|--|--|--|--|--|
| dual-chann | GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, el capable, two 204-pin SO-DIMM sockets; standard memory in one socket; one socket available | Professional 32 Preloaded applications ¹⁴ (only some listed) | | | | |
| Ultrabay Slim SATA disk Some: 800 Some: 250 SATA | r, SATA 1.5Gb/s, 9.5mm Ultrabay slim, removable ar bay for interchangeable devices (right side), 9.5mm high, bottom access GB® Solid State Drive (SSD) / SATA 3.0Gb/s, 1.8" wide, 5mm high IGB (5400 rpm) / IA 3.0Gb/s, 1.8" wide, 9.5mm high, Active Protection System™ novable, upgradable, supports 2nd disk, Shock Mounted Hard Drive | Rescue and Recovery™ Access Connections™ Client Security Solution™ Fingerprint Software ThinkVantage System Update ThinkVantage Power Manager | | | | |
| display 300 nits, 16 | nm) WXGA+ (1440x900) color , anti-glare, LED backlight , 6:10 aspect ratio, 300:1 contrast ratio top of screen, 2.0-megapixel, fixed focus | ThinkVantage Presentation Director ThinkVantage Productivity Center Roxio® Creator® Business Edition (DVD±RW) | | | | |
| grāphics external an digital mon supports di <i>Maximum e</i> | raphics in processor, alog monitor support via VGA DB-15 connector and itor support via DisplayPort (supports single-link DVI-D via cable 45J7915); jual independent display; external resolution: 2560x1600 (DisplayPort)@60Hz; (VGA)@75Hz; 1920x1200@60Hz (single-link DVI-D via cable 45J7915) | Roxio MyDVD® (DVD±RW) Corel® WinDVD® (DVD±RW) | | | | |
| Keyboard 89-key, Thin TrackPoint® TrackPoint® | nkVantage button, spill-resistant, multimedia Fn keys pointing device, "Press-to-Select," Internet Scroll Bar ¹³ , magnifying glass | Supports ThinkVantage® technologies | | | | |
| Touchpad UltraNav™, | wide touchpad below keybrd, Tap Zones, scrolling regions label, multi-touch the keyboard to improve visibility in low-light conditions | 65-watt AC adapter ThinkPad Roll Cage (one-piece | | | | |
| Weight ² 6-cell: start Case material Display couglass-fiber Battery - type Lithium Ion | xDxH): 13.3" x 9.5" x 0.83–1.02"; 337 x 241.5mm x 21.1–25.9mm ing at 3.94 lb (1.79kg) er: Carbon-fiber reinforced plastic (top), reinforced plastic (side walls); Base: Magnesium alloy 6-cell, supports unique 2nd battery in Ultrabay Slim 0 4.8 hr; 6-cell plus Ultrabay battery: up to 7.9 hr | magnesium frame) EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support during the warranty period¹2 | | | | |
| | el QS57 Express Chipset xpressCard/34) | via 800-426-7378 | | | | |
| Multicard Reader None Ports Two USB 2 | .0 (one powered), one USB 2.0/eSATA combo port, onitor (VGA DB-15, DisplayPort), ethernet (RJ-45) | ThinkPlus™.22 1-year LOR24 9x5 NBD 45K5968 ThinkPlus 2-year LOR 9x5 NBD | | | | |
| 11b/g/n | xpress Mini Card slots b/g/n wireless ⁴ , ThinkPad 11b/g/n, PCIe Half Mini Card b/b/g/n wireless, PCIe Half Mini Card, Intel Centrino [®] Advanced-N 6200, 2x2 AN upgradable | 45K5969 ThinkPlus 3-year LOR 9x5 NBD 45K5970 ThinkPlus 4-year LOR 9x5 NBD 45K5973 | | | | |
| | .1 wireless, LED indicator | ThinkPlus 5-year LOR 9x5 NBD 45K5975 | | | | |
| vPro mode | | ThinkPlus 2-year P&L P/U Depot 45K5971 | | | | |
| Audio support High Defini speaker vo | Management Technology (iAMT) tion (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / lume up, down and mute buttons / dual array microphone, mic mute button, | ThinkPlus 3-year P&L P/U Depot 45K5972 ThinkPlus 4-year P&L P/U Depot | | | | |
| | io/mic jack assword, hard disk password, supervisor password, security keyhole tform Module, TCG 1.2-compliant | 45K5974 ThinkPlus 5-year P&L P/U Depot 45K5976 | | | | |
| Fingerprint reader UPEK Fing | erprint reader on palm rest, swipe sensor, LED indicator, Authentication, supports the security chip | Post-warranty annual maintenance agreements at | | | | |
| Limited warranty ¹² 1-year - de | pot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty | | | | |

| | Type-model F | rocessor | | Max turbo (GHz) | | | Wide- screen display | Camera | Disk SATA GB [®] rpm | PCIe Mini Card 802.11 | PCIe Mini Card WWAN | Carrier | Finger print reader | | | | Preload | Avail date |
|---|--------------|----------|------|-----------------------|-----|------|----------------------------|--------|-------------------------------------|-----------------------------|---------------------------|---------|---------------------------|------|-----|------|---------|---------------|
| | 2904-CFU | i5-520M | 2.40 | 2.93 | 2GB | 14.1 | " WXGA+ | 2.0M | 250G 5400 | 11b/g/n | WWAN upg | | Finger | | Ехр | | XP Pro | Feb 10 |
| | 2904-CGU | i5-520M | 2.40 | 2.93 | 2GB | 14.1 | " WXGA+ | 2.0M | 128G SSD | 11b/g/n | WWAN upg | | Finger | Blue | Exp | | XP Pro | Feb 10 |
| 哑 | 2904-FPU | i5-520M | 2.40 | 2.93 | 4GB | 14.1 | " WXGA+ | 2.0M | 128G SSD | Intel 6200 ²⁸ | Gobi 2000 | AT&T23 | Finger | Blue | Exp | vPro | XP Pro | Feb 10 |

- These small and medium business (SMB) models are part of the US TopSeller™ Program
- These models have a depot repair service 3-year limited warranty

| | | | | | |
|--|--|---|--|--|--|
| Positioning Processor | Premiere performance and ultraportability; two spindles Intel® Core™ i5 processor i5-520M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology; 3MB cache | Preloaded operating system ²⁰ - Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 | | | |
| Memory | 2GB or 4GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; <i>Non-italics:</i> standard memory in one socket; one socket available | Professional 32 Preloaded applications¹⁴ (only some listed) ■ Rescue and Recovery™ | | | |
| SATA DVD±RW Ultrabay Slim SATA disk | DVD burner, SATA 1.5Gb/s, 9.5mm Ultrabay slim, removable One modular bay for interchangeable devices (right side), 9.5mm high, bottom access Some: 128GB³ Solid State Drive (SSD) / SATA 3.0Gb/s, 1.8" wide, 5mm high Some: 250GB (5400 rpm) / SATA 3.0Gb/s, 1.8" wide, 9.5mm high, Active Protection System™ All: removable, upgradable, supports 2nd disk, Shock Mounted Hard Drive | Access Connections [™] Client Security Solution [™] Fingerprint Software (fingerprint models) ThinkVantage System Update ThinkVantage Power Manager | | | |
| Widescreen display Camera | 14.1" (358mm) WXGA+ (1440x900) color, anti-glare, LED backlight, 300 nits, 16:10 aspect ratio, 300:1 contrast ratio Camera on top of screen, 2.0-megapixel, fixed focus | ThinkVantage Presentation Director ThinkVantage Productivity Center Lenovo System Toolbox Lenovo Online Data Backup | | | |
| Integrated graphics | Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); supports dual independent display; Maximum external resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@75Hz; 1920x1200@60Hz (single-link DVI-D via cable 45J7915) | Norton™ Internet Security 2009 (30 days of virus definitions) Adobe® Reader® Adobe Flash® Player Windows Live™ Toolbar Skype™ for Windows | | | |
| Keyboard TrackPoint® Touchpad ThinkLight™ | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keybrd, Tap Zones, scrolling regions label, multi-touch Illuminates the keyboard to improve visibility in low-light conditions | Microsoft® Office 2007 Trial (60-day) Roxio® Creator® Business Edition (DVD±RW) Roxio MyDVD® (DVD±RW) Corel® WinDVD® (DVD±RW) | | | |
| Dimensions ³ Weight ² Case material Battery - type Battery - life ¹⁰ | 14.1W" (WxDxH): 13.3" x 9.5" x 0.83–1.02"; 337 x 241.5mm x 21.1–25.9mm 6-cell: starting at 3.94 lb (1.79kg) Display cover: Carbon-fiber reinforced plastic (top), glass-fiber reinforced plastic (side walls); Base: Magnesium alloy Lithium lon 6-cell, supports unique 2nd battery in Ultrabay Slim 6-cell: up to 4.8 hr; 6-cell plus Ultrabay battery: up to 7.9 hr | • Colei William (DVD±RW) | | | |
| Chipset | Mobile Intel QS57 Express Chipset | Supports ThinkVantage® technologies | | | |
| ExpressCard/34 Multicard Reader Ports | One slot (ExpressCard/34) None Two USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, DisplayPort), ethernet (RJ-45) | 65-watt AC adapter ThinkPad Roll Cage (one-piecemagnesium frame) | | | |
| PCIe Mini Card 11b/g/n Intel 6200 ²⁸ WWAN upg Gobi™ 2000 Carrier | Two PCI Express Mini Card slots Some: 11b/g/n wireless ⁴ , ThinkPad 11b/g/n, PCIe Half Mini Card Some: 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Advanced-N 6200, 2x2 Some: Wireless WAN upgradable Some: Wireless WAN, Qualcomm chipset, PCIe Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, contract required with service provider Some: AT&T®, contract required with service provider | EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support during the warranty period¹² via 800-426-7378 | | | |
| Modem Bluetooth™ Ethernet | None Some: Bluetooth 2.1 wireless, LED indicator Non-vPro model: Intel 82577LC Gigabit Network Connection (Hanksville), PHY, PCIe x1 vPro model: Intel 82577LM Gigabit Network Connection (Hanksville), PHY, PCIe x1 | ThinkPlus ^{TM. 22} 3-year LOR ²⁴ 9x5 NBD 45K6021 ThinkPlus 4-year LOR 9x5 NBD 45K6022 | | | |
| Intel AMT Audio support | Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / speaker volume up, down and mute buttons / dual array microphone, mic mute button, combo audio/mic jack | ThinkPlus 5-year LOR 9x5 NBD 45K6024 ThinkPlus 4-year P&L P/U Depot 45K6023 | | | |
| Security Security chip Fingerprint reader | Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant UPEK Fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip | ThinkPlus 5-year P&L P/U Depot 45K6025 Post-warranty annual maintenance agreements at | | | |
| Limited warrantv12 | 3-years/1-yr battery - depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty | | | |

| Max | Wide- | | Disk | PCle | PCle | Finger | | | |
|---|---------|--------|---------------------|-----------|-----------|--------------|------|--------------|-------|
| Base turbo | screen | | SATA | Mini Card | Mini Card | print Blue- | Card | Intel | Avail |
| Type-model Processor (GHz) (GHz) Memory | display | Camera | GB ⁸ rpm | 802.11 | WWAN | reader tooth | slot | vPro Preload | date |

2904-FZU i5-520M 2.40 2.93 4GB 14.1" WXGA+ 2.0M 128G SSD Intel 620028 WWAN upg Finger Blue Express vPro Pro 64 Mar 10

- This small and medium business (SMB) model is part of the US TopSeller™ Program
 This model has a depot repair service 3-year limited warranty

| Positioning Processor Memory SATA DVD±RW Ultrabay Slim SATA disk | Premiere performance and ultraportability; two spindles Intel® Core™ i5 processor i5-520M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology; 3MB cache 4GB std / 8GB max² / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; Italics: standard memory in both sockets; no sockets available DVD burner, SATA 1.5Gb/s, 9.5mm Ultrabay slim, removable One modular bay for interchangeable devices (right side), 9.5mm high, bottom access 128GB® Solid State Drive (SSD) / SATA 3.0Gb/s, 1.8" wide, 5mm high, | Preloaded operating system ²⁰ - Genuine Windows [®] 7 Professional 64 Preloaded applications ¹⁴ (only some listed) • Rescue and Recovery [™] • Access Connections [™] • Password Manager • Fingerprint Software (fingerprint models) | | | |
|---|--|--|--|--|--|
| Widescreen display Camera Integrated graphics | removable, upgradable, supports 2nd disk, Shock mounted storage 14.1" (358mm) WXGA+ (1440x900) color, anti-glare, LED backlight, 300 nits, 16:10 aspect ratio, 300:1 contrast ratio, Camera on top of screen, 2.0-megapixel, fixed focus Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); supports dual independent display; Maximum external resolution: 2560x1600 (DisplayPort) @ 60Hz; 2048x1536 (VGA) @ 75Hz; 1920x1200 @ 60Hz (single-link DVI-D via cable 45J7915) | ThinkVantage System Update ThinkVantage Power Manager ThinkVantage Toolbox Lenovo Online Data Backup Adobe® Reader® Adobe Flash® Player Skype™ for Windows Microsoft Research AutoCollage Touch Roxio® Creator® Business Edition (DVD±RW) | | | |
| Keyboard TrackPoint® Touchpad ThinkLight™ Dimensions³ | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keybrd, Tap Zones, scrolling regions label, multi-touch Illuminates the keyboard to improve visibility in low-light conditions 14.1W" (WxDxH): 13.3" x 9.5" x 0.83–1.02"; 337 x 241.5mm x 21.1–25.9mm | Řoxio MyĎVD® (DVD±RW) Corel® WinDVD® (DVD±RW) | | | |
| Weight ² Case material | 6-cell: starting at 3.94 lb (1.79kg) Display cover: Carbon-fiber reinforced plastic (top), | Supports ThinkVantage® technologies | | | |
| Battery - type Battery - life ¹⁰ | glass-fiber reinforced plastic (side walls); Base: Magnesium alloy Lithium Ion 6-cell , supports unique 2nd battery in Ultrabay Slim 6-cell: up to 4.8 hr; 6-cell plus Ultrabay battery: up to 7.9 hr | 65-watt AC adapter ThinkPad Roll Cage (one-piece magnesium frame) | | | |
| Chipset ExpressCard/34 Multicard Reader Ports | Mobile Intel QS57 Express Chipset One slot (ExpressCard/34) None Two USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, DisplayPort), ethernet (RJ-45) | EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day¹ ⁸ toll-free support | | | |
| PCIe Mini Card Intel 6200 ²⁸ | Two PCI Express Mini Card slots 11a/b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Advanced-N 6200, 2x2 | during the warranty period ¹² via 800-426-7378 | | | |
| WWAN upg Modem Bluetooth™ Ethernet Intel AMT Audio support | Wireless WAN upgradable None Bluetooth 2.1 wireless, LED indicator Intel 82577LM Gigabit Network Connection (Hanksville), PHY, PCIe x1 Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / speaker volume up, down and mute buttons / dual array microphone, mic mute button, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole | ThinkPlus ^{TM. 22} 3-year LOR ²⁴ 9x5 NBD 45K6021 ThinkPlus 4-year LOR 9x5 NBD 45K6022 ThinkPlus 5-year LOR 9x5 NBD 45K6024 ThinkPlus 4-year P&L P/U Depot 45K6023 | | | |
| Security chip | Trusted Platform Module, TCG 1.2-compliant r UPEK Fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip | ThinkPlus 5-year P&L P/U Depot 45K6025 Post-warranty annual maintenance | | | |
| Limited warranty ¹² | ² 3-years /1-yr battery - depot repair service / service upgrades ²² available | agreements at lenovo.com/thinkplus/warranty | | | |

See footnotes for important warranty information US model announced March 2, 2010

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| Max | Wide- | | Disk | PCle | PCle | Finger | | | |
|---|---------|--------|---------------------|-----------|-----------|--------------|------|--------------|-------|
| Base turbo | screen | 0 | SATA | Mini Card | Mini Card | print Blue | | Intel | Avail |
| Type-model Processor (GHz) (GHz) Memory | display | Camera | GB ⁸ rpm | 802.11 | WWAN | reader tooth | slot | vPro Preload | date |

2904-G2U i5-520M 2.40 2.93 4GB 14.1" WXGA+ 2.0M 128G SSD Intel 620028 WWAN upg Finger Blue 3-in-1 vPro Pro 64 Mar 10

- This small and medium business (SMB) model is part of the US TopSeller™ Program
 This model has a depot repair service 3-year limited warranty

| Positioning Processor | Premiere performance and ultraportability; two spindles Intel® Core™ i5 processor i5-520M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology; 3MB cache | Preloaded operating system ²⁰ - Genuine Windows® 7 Professional 64 Preloaded applications¹⁴ (only some listed) • Rescue and Recovery™ • Access Connections™ • Password Manager • Fingerprint Software (fingerprint models) • ThinkVantage System Update • ThinkVantage Power Manager • Adobe Flash® Player • Skype™ for Windows • Microsoft Research AutoCollage Touch • Roxio® Creator® Business Edition (DVD±RW) • Roxio MyDVD® (DVD±RW) • Corel® WinDVD® (DVD±RW) | | |
|---|--|---|--|--|
| Memory | 4GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available | | | |
| SATA DVD±RW Ultrabay Slim SATA disk | DVD burner, SATA 1.5Gb/s, 9.5mm Ultrabay slim, removable One modular bay for interchangeable devices (right side), 9.5mm high, bottom access 128GB [®] Solid State Drive (SSD) / SATA 3.0Gb/s, 1.8" wide, 5mm high, removable, upgradable, supports 2nd disk, Shock mounted storage | | | |
| Widescreen display Camera | 14.1" (358mm) WXGA+ (1440x900) color, anti-glare, LED backlight, 300 nits, 16:10 aspect ratio, 300:1 contrast ratio, Camera on top of screen, 2.0-megapixel, fixed focus | | | |
| Switchable graphics | Dynamic switching between discrete and integrated graphics (user selectable), Intel HD Graphics in processor, and NVIDIA® Quadro® NVS3100M, PCI Express® x16, 512MB memory, external analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); supports dual independent display; Maximum external resolution: 2048x1536 (VGA) @75Hz(integrated) or 85Hz(discrete); 1920x1200@60Hz (single-link DVI-D via cable 45J7915); 2560x1600 (DP)@60Hz | | | |
| Keyboard TrackPoint® Touchpad ThinkLight™ | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keybrd, Tap Zones, scrolling regions label, multi-touch Illuminates the keyboard to improve visibility in low-light conditions | | | |
| Dimensions ³ Weight ² | 14.1W" (WxDxH): 13.3" x 9.5" x 0.83–1.02"; 337 x 241.5mm x 21.1–25.9mm 6-cell: starting at 3.94 lb (1.79kg) | Cupporto Think\/ontogo® toohnologico | | |
| Case material Battery - type Battery - life ¹⁰ | Display cover: Carbon-fiber reinforced plastic (top), glass-fiber reinforced plastic (side walls); Base: Magnesium alloy Lithium Ion 6-cell, supports unique 2nd battery in Ultrabay Slim 6-cell: up to 4.8 hr; 6-cell plus Ultrabay battery: up to 7.9 hr | Supports ThinkVantage® technologies 90-watt AC adapter ThinkPad Roll Cage (one-piece magnesium frame) EPEATIM Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support during the warranty period¹2 via 800-426-7378 | | |
| Chipset ExpressCard/34 Multicard Reader Ports | Mobile Intel QS57 Express Chipset None 3-in-1 reader (MMC, SD, SDHC) Two USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, DisplayPort), ethernet (RJ-45) | | | |
| PCIe Mini Card Intel 6200 ²⁸ | Two PCI Express Mini Card slots 11a/b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Advanced-N 6200, 2x2 | | | |
| WWAN upg Modem Bluetooth™ Ethernet Intel AMT Audio support | Wireless WAN upgradable None Bluetooth 2.1 wireless, LED indicator Intel 82577LM Gigabit Network Connection (Hanksville), PHY, PCIe x1 Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / speaker volume up, down and mute buttons / dual array microphone, mic mute button, | ThinkPlus™.22 3-year LOR24 9x5 NBD 45K6021 ThinkPlus 4-year LOR 9x5 NBD 45K6022 ThinkPlus 5-year LOR 9x5 NBD 45K6024 ThinkPlus 4-year P&L P/U Depot | | |
| Security Security chip Fingerprint reade | combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant r UPEK Fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip | 45K6023 ThinkPlus 5-year P&L P/U Depot 45K6025 Post-warranty annual maintenance agreements at | | |
| Limited warranty ¹³ | 3-years/1-yr battery - depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty | | |

See footnotes for important warranty information US model announced March 30, 2010

| | Wide- | | Disk | | PCle | PCle | Finger | | | |
|---------------------------------|---------|--------|---------------------|---------|-----------|-----------|--------------|------|--------------|-------|
| | screen | | SATA | SATA | Mini Card | Mini Card | print Blue- | Card | Intel | Avail |
| Type-model Processor GHz Memory | display | Camera | GB ⁸ rpm | optical | 802.11 | WWAN | reader tooth | slot | vPro Preload | date |

2901-AKU i3-330M 2.13 2GB 14.1" WXGA+ 2.0M 250G 5400 DVD±RW Intel 1000 WWAN upg None Blue Express No Pro 32 Mar 10

This small and medium business (SMB) model is part of the US TopSeller™ Program

| Positioning Processor | Premiere performance and ultraportability; two spindles Intel® Core™ i3 processor i3-330M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology; 3MB cache | Preloaded operating system ²⁰ - Genuine Windows [®] 7 Professional 32 Preloaded applications ¹⁴ (only some |
|--|--|---|
| Memory | 2GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Non-italics:</i> standard memory in one socket; one socket available | isted) ■ Rescue and Recovery™ ■ Access Connections™ |
| SATA DVD±RW Ultrabay Slim SATA disk | DVD burner, SATA 1.5Gb/s, 9.5mm Ultrabay slim, removable One modular bay for interchangeable devices (right side), 9.5mm high, bottom access 250GB ⁸ (5400 rpm) / SATA 3.0Gb/s, 1.8" wide, 9.5mm high, removable, upgradable, supports 2nd disk, Shock Mounted Hard Drive, Active Protection System™ | Password Manager ThinkVantage System Update ThinkVantage Power Manager ThinkVantage Toolbox Lenovo Online Data Backup |
| Widescreen display Camera | 14.1" (358mm) WXGA+ (1440x900) color, anti-glare, LED backlight, 300 nits, 16:10 aspect ratio, 300:1 contrast ratio Camera on top of screen, 2.0-megapixel, fixed focus | Adobe® Reader® Adobe Flash® Player Skype™ for Windows |
| Integrated graphics | Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); | |
| | supports dual independent display; Maximum external resolution: 2560x1600 (DisplayPort) @ 60Hz; | Supports ThinkVantage® technologies |
| Keyboard TrackPoint® Touchpad ThinkLight™ | 2048x1536 (VGA) @75Hz; 1920x1200 @60Hz (single-link DVI-D via cable 45J7915) 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keybrd, Tap Zones, scrolling regions label, multi-touch Illuminates the keyboard to improve visibility in low-light conditions | 65-watt AC adapter ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Gold rating ENERGY STAR® 5.0-compliant |
| Dimensions ³ Weight ² Case material Battery - type | 14.1W" (WxDxH): 13.3" x 9.5" x 0.83–1.02"; 337 x 241.5mm x 21.1–25.9mm 6-cell: starting at 3.94 lb (1.79kg) Display cover: Carbon-fiber reinforced plastic (top), glass-fiber reinforced plastic (side walls); Base: Magnesium alloy Lithium Ion 6-cell, supports unique 2nd battery in Ultrabay Slim | RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 |
| Battery - life ¹⁰ Chipset | 6-cell: up to 4.8 hr; 6-cell plus Ultrabay battery: up to 7.9 hr Mobile Intel QS57 Express Chipset | ThinkPlus™. 22 1-year LOR24 9x5 NBD 45K5968 |
| ExpressCard/34 Multicard Reader | One slot (ExpressCard/34) | ThinkPlus 2-year LOR 9x5 NBD 45K5969 |
| Ports | Two USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, DisplayPort), ethernet (RJ-45) | ThinkPlus 3-year LOR 9x5 NBD 45K5970 |
| PCIe Mini Card | Two PCI Express Mini Card slots | ThinkPlus 4-year LOR 9x5 NBD 45K5973 |
| Intel 1000 WWAN upg Modem | 11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 Wireless WAN upgradable None | ThinkPlus 5-year LOR 9x5 NBD 45K5975 |
| Bluetooth™ Ethernet | Inches Bluetooth 2.1 wireless, LED indicator Intel 82577LC Gigabit Network Connection (Hanksville), PHY, PCIe x1 | ThinkPlus 2-year P&L P/U Depot 45K5971 |
| Intel AMT Audio support | None High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / | ThinkPlus 3-year P&L P/U Depot 45K5972 |
| Addio support | speaker volume up, down and mute buttons / dual array microphone, mic mute button, combo audio/mic jack | ThinkPlus 4-year P&L P/U Depot 45K5974 |
| Security Security chip | Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant | ThinkPlus 5-year P&L P/U Depot 45K5976 Post-warranty annual maintenance |
| Fingerprint reader | None | agreements at |
| Limited warranty | 1-year - depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty |

See footnotes for important warranty information US model announced March 2, 2010

| Type-model | Processor | GHz | Memo | Wide- screen ry display | Multi- Touch Screen | | Disk SATA GB ⁸ rpm | PCIe Mini Card 802.11 | PCIe Mini Card WWAN | Carrier | Blue/ Fing | Card slot | Intel vPro | | Avail date |
|------------|-----------|-----|------|-------------------------------|---------------------------|------|-------------------------------------|-----------------------------|---------------------------|-----------|---------------|--------------|---------------|--------|---------------|
| 2904-CUU | i3-330M 2 | .13 | 2GB | 14.1" WXGA+ | Multi | 2.0M | 250G 5400 | Intel 1000 | WWAN upg | | Yes | Express | No | Pro 32 | Feb 10 |
| 2904-CVU | i3-330M 2 | .13 | 2GB | 14.1" WXGA+ | | 2.0M | 250G 5400 | Intel 1000 | Gobi 2000 | Verizon16 | Yes | Express | No | Pro 32 | Feb 10 |
| 2904-CWU | i3-330M 2 | .13 | 3GB | 14.1" WXGA+ | | 2.0M | 80G SSD | Intel 1000 | WWAN upg | | Yes | Express | No | Pro 32 | Feb 10 |

- These small and medium business (SMB) models are part of the US TopSeller™ Program These models have a depot repair service 3-year limited warranty

| Positioning Processor | Premiere performance and ultraportability; two spindles Intel® Core™ i3 processor i3-330M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology; 3MB cache | Preloaded operating system ²⁰ - Genuine Windows [®] 7 Professional 32 - Preloaded applications ¹⁴ (only some |
|--|---|---|
| Memory | 2GB or 3GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; <i>Non-italics:</i> standard memory in one socket; one socket available | listed) • Rescue and Recovery™ • Access Connections™ • Password Manager |
| SATA DVD±RW Ultrabay Slim SATA disk | DVD burner, SATA 1.5Gb/s, 9.5mm Ultrabay slim, removable One modular bay for interchangeable devices (right side), 9.5mm high, bottom access Some: 80GB³ Solid State Drive (SSD) / SATA 3.0Gb/s, 1.8" wide, 5mm high Some: 250GB (5400 rpm) / SATA 3.0Gb/s, 1.8" wide, 9.5mm high, Active Protection System™ All: removable, upgradable, supports 2nd disk, Shock Mounted Hard Drive | Fingerprint Software (fingerprint models) ThinkVantage System Update ThinkVantage Power Manager ThinkVantage Toolbox Lenovo Online Data Backup |
| Widescreen display | 14.1" (358mm) WXGA+ (1440x900) color, anti-glare, LED backlight, 300 nits, 16:10 aspect ratio, 300:1 contrast ratio, Some: MultiTouch (touchscreen supports two-finger touch) Camera on top of screen, 2.0-megapixel, fixed focus | Norton™ Internet Security 2009 (30 days of virus definitions) Adobe® Reader® Adobe Flash® Player Modernes in The Player |
| Integrated graphics | Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); supports dual independent display; Maximum external resolution: 2560x1600 (DisplayPort) @ 60Hz; 2048x1536 (VGA) @ 75Hz; 1920x1200 @ 60Hz (single-link DVI-D via cable 45J7915) | Windows Live™ Toolbar Skype™ for Windows Microsoft® Office 2007 Trial (60-day) Microsoft Research AutoCollage Touch Roxio® Creator® Business Edition (DVD±RW) |
| Keyboard TrackPoint® Touchpad ThinkLight™ | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keybrd, Tap Zones, scrolling regions label, multi-touch Illuminates the keyboard to improve visibility in low-light conditions | Roxio MyDVD® (DVD±RW) Corel® WinDVD® (DVD±RW) |
| Dimensions ³ Weight ² Case material Battery - type Battery - life ¹⁰ | 14.1W" (WxDxH): 13.3" x 9.5" x 0.83–1.02"; 337 x 241.5mm x 21.1–25.9mm 6-cell: starting at 3.94 lb (1.79kg) Display cover: Carbon-fiber reinforced plastic (top), glass-fiber reinforced plastic (side walls); Base: Magnesium alloy Lithium Ion 6-cell, supports unique 2nd battery in Ultrabay Slim 6-cell: up to 4.8 hr; 6-cell plus Ultrabay battery: up to 7.9 hr | Supports ThinkVantage® technologies |
| Chipset ExpressCard/34 Multicard Reader Ports | Mobile Intel QS57 Express Chipset One slot (ExpressCard/34) | 65-watt AC adapter ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Gold rating ENERGY STAR® 5.0-compliant |
| PCIe Mini Card Intel 1000 WWAN upg Gobi™ 2000 | Two PCI Express Mini Card slots 11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 Some: Wireless WAN upgradable Some: Wireless WAN, Qualcomm chipset, PCIe Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, contract required with service provider | RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 |
| Carrier Modem Bluetooth™ Ethernet Intel AMT | Some: Verizon®, contract required with service provider None Bluetooth 2.1 wireless, LED indicator Intel 82577LC Gigabit Network Connection (Hanksville), PHY, PCle x1 None | ThinkPlus™.22 3-year LOR24 9x5 NBD 45K6021 ThinkPlus 4-year LOR 9x5 NBD 45K6022 ThinkPlus 5-year LOR 9x5 NBD |
| Audio support Security | High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / speaker volume up, down and mute buttons / dual array microphone, mic mute button, combo audio/mic jack | 45K6024 ThinkPlus 4-year P&L P/U Depot 45K6023 |
| Security chip | Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant rUPEK Fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip | ThinkPlus 5-year P&L P/U Depot 45K6025 Post-warranty annual maintenance |
| Limited warranty ¹² | 3-years/1-yr battery - depot repair service / service upgrades ²² available | agreements at lenovo.com/thinkplus/warranty |

ThinkPad® T410s Accessories

| Memory 1GB PC3-8500 DDR3 Low-Halogen SODIMM 1GB PC3-8500 DDR3 L-H SODIMM (25-Pack) 2GB PC3-8500 DDR3 Low-Halogen SODIMM 2GB PC3-8500 DDR3 L-H SODIMM (25-Pack) 4GB PC3-8500 DDR3 Low-Halogen SODIMM | 57Y4385 ann 06/23/09 55Y3707 ann 06/23/09 | Security Kensington® MicroSaver® Cable Lock Kensington Twin Head Cable Lock USB Gemplus GemPC Smart Card Reader Batteries | 73P2582 ann 12/29/03 45K1620 ann 09/30/08 41N3040 ann 02/21/06 |
|--|--|--|--|
| Ultrabay Slim 9.5mm Serial ATA Hard Drive Bay Adapter III DVD Burner Ultrabay Slim Drive II SATA 1.5G/s Ultrabay Slim Blu-ray Burner II (SATA) | 43N3412 ann 06/23/09 43N3229 ann 06/23/09 43N3230 ann 06/23/09 | ThinkPad Battery 59+ (6-cell) ThinkPad Battery 42 (3-cell, bay) ⁴³ ⁴³ Used in Ultrabay Slim bay. ThinkPad External Battery Charger More information at www.lenovo.com/allday | 51J0497 ann 06/23/09 57Y4536 ann 08/25/09 40Y7625 ann 09/20/05 /computing |
| Storage and removable storage 1.8" 250GB Disk SATA 3.0Gb/s (5400 rpm) 500GB Disk SATA 3.0Gb/s (5400 rpm) ⁵¹ 500GB Disk SATA 3.0Gb/s (7200 rpm) ⁵¹ ⁵¹ Can be used with <i>Serial ATA Hard Drive Bay</i> in the Ultrabay | 43N3418 ann 06/23/09 43N3420 ann 06/23/09 43N3423 ann 01/07/10 y Adapter III 43N3412 | ThinkPad 65W AC Adapter ⁴⁵ 45 Only compatible with the integrated graph ThinkPad 90W AC Adapter 90W Ultraslim AC/DC Combo Adapter More info at www.lenovo.com/support/pow | 40Y7659 ann 09/20/05 41R4493 ann 09/22/09 |
| 128GB SSD SATA 3.0Gb/s 1.8"(2.5" cover) ⁴⁹ 256GB FDE SSD SATA 3Gb/s 1.8"(2.5" cover) ⁴⁹ Can be used as the main HDD or with Serial ATA Hard Drive Bay Adapter III 436 | N3412 in Ultrabay | Charging tips for 90W Ultraslim AC/DC Comi •BlackBerry charge tip (L8a) •iPod and iPhone Charge Tip (L10a) More information at www.lenovopowertips. | 41R4478 ann 12/18/07 41R4481 ann 12/18/07 |
| via the removable adaptive cover provided wit USB 2.0 Essential Memory Key 4GB USB 2.0 Essential Memory Key 32GB USB 2.0 USS essential Memory Key 32GB USB 2.0 Ultra Secure Memory Key 2GB USB 2.0 Ultra Secure Memory Key 4GB USB 2.0 Ultra Secure Memory Key 8GB USB 2.0 Portable 320GB Hard Disk USB 2.0 Portable 500GB Hard Disk USB 2.0 Portable Secure 160GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk USB 2.0 Portable Secure 500GB Hard Disk eSATA/USB 2.0 Secure 500GB Hard Drive USB 2.0 Super Multi-Burner Drive USB 2.0 Portable DVD Burner Wireless WAN (Mini PCI Express) ThinkPad Gobi™ 2000 Broadband Option ThinkPad Expansion Lenovo® Essential Notebook Stand USB Port Replicator with Digital Video ThinkPad Port Replicator Series 3 ThinkPad Mini Dock Series 3 ThinkPad Mini Dock Plus Series 3 ThinkPad Mini Dock Plus Series 3 - Mobile WS Keyboard TrackPoint Cap Collection USB Numeric Keypad Preferred Pro USB Keyboard Enhanced Performance USB Keyboard Ultraslim Wireless Keyboard and Mouse ⁵² Se Wireless via 2.4GHz technology using a mid ThinkPad USB Keyboard with TrackPoint Lenovo® USB Fingerprint Keyboard Lenovo USB Smartcard Keyboard Mouse Lenovo Mini Optical Mouse - Black (USB) Lenovo Mini Optical Mouse - White (USB) Lenovo Mini Optical Mouse - White (USB) | 45J7904 ann 06/24/08 45J7905 ann 07/15/08 45K1258 ann 10/28/08 45J5916 ann 08/26/08 45J5917 ann 08/26/08 45J5918 ann 08/26/08 45K1689 ann 03/17/09 45K1690 ann 05/26/09 43R2018 ann 11/18/08 57Y4400 ann 01/07/10 41N5565 ann 01/23/07 43N3264 ann 01/07/10 78Y1399 ann 01/07/10 78Y1398 ann 01/07/10 78Y1398 ann 05/12/09 45K1610 ann 07/28/09 433710U ann 06/23/09 433810U ann 06/23/09 433810U ann 06/23/09 433810U ann 06/23/09 433820U ann 06/23/09 433820U ann 06/23/09 573P2620 ann 06/21/05 73P2620 ann 03/23/04 57Y4700 ann 09/15/09 cro-size USB receiver. 55Y9003 ann 08/18/09 73P4730 ann 09/15/09 55Y9308 ann 05/19/09 55Y9308 ann 05/19/09 55Y9308 ann 05/19/09 55Y9308 ann 05/19/09 56Y9309 ann 05/19/09 06P4069 ann 05/21/03 | Carrying Cases Up to 14" widescreen models: ThinkPad 14W Case Sleeve Up to 15.4" widescreen models: ThinkPad 15W Case Sleeve Lenovo Business Messenger Case Lenovo Messenger Max Lenovo Performance BackPack Checkpoint Friendly Business Topload Case ThinkPad Business Topload Case ThinkPad Business Topload Case ThinkPad Business Backpack ThinkPad Deluxe Expander Case ThinkPad Executive Leather Case Up to 15.6" widescreen models: Wenger Backpack for Lenovo Wenger Slim Case for Lenovo Wenger Deluxe Slim Case for Lenovo Lenovo luxury cases at www.lenovoluxuryc Monitors ThinkVision* L1711p 17" Monitor ThinkVision L1951p Wide 19" Monitor ThinkVision L2250p Wide 22" Monitor ThinkVision L2251x Wide 22" Monitor ThinkVision L2251x Wide 22" Monitor ThinkVision USB-to-DVI Monitor Adapter Lenovo USB-to-DVI Monitor Adapter Lenovo USB-to-DVI Monitor Adapter Lenovo USB-to-DVI Monitor Adapter Lenovo USB-soundbar ThinkVision Soundbar Kensington MicroSaver Cable Lock Kensington Twin Head Cable Lock Kensington Twin Head Cable Lock Lenovo Easy Reach Monitor Stand Radial Arm 46 Compatible on selected Lenovo and Think More information at www.lenovo.com/supple | 57Y4294 ann 03/16/10 51J0477 ann 08/18/09 51J0475 ann 08/18/09 41U5253 ann 05/01/07 41U5254 ann 05/01/07 51J0418 ann 05/05/09 43R2476 ann 05/13/08 43R2482 ann 05/13/08 43R2480 ann 05/13/08 57Y4271 ann 01/07/10 57Y4272 ann 01/07/10 57Y4273 ann 01/07/10 ases.com 5047HB2 ann 10/20/09 4431HE1 ann 11/11/08 2448HB6 ann 10/20/09 2572HB6 ann 10/20/09 2572HB6 ann 10/20/09 2572HB6 ann 10/20/09 45K5296 ann 05/12/09 57Y4393 ann 08/04/09 45J7915 ann 08/05/08 40Y7616 ann 08/23/05 45K1263 ann 09/16/08 73P2582 ann 12/29/03 45K1620 ann 09/30/08 55Y9258 ann 09/22/09 19K4464 ann 05/05/00 (Vision monitors. |
| Lenovo Laser Mouse (USB) ThinkPad USB Laser Mouse Lenovo ScrollPoint® Mouse (USB, Optical) ThinkPad Travel Mouse (USB, Optical) ThinkPad Bluetooth Laser Mouse | 41U3074 ann 01/23/07 57Y4635 ann 12/15/09 31P7405 ann 08/27/02 31P7410 ann 06/04/02 41U5008 ann 01/22/08 | For more information on ThinkPad accessories www.lenovo.com/support/accessories | es, please visit: |
| Multimedia ThinkPad In-Ear Headphones | 57Y4488 ann 01/07/10 | www.lenovo.com/support/notebookacces www.lenovo.com/support/security | sories |
| Modem USB 2.0 Lenovo Modem | 43R1814 ann 02/26/08 | Other accessories at www.lenovo.com/acce Accessories Guide pdf at www.lenovo.com/a | |
| | | | |



Lenovo® ThinkPad T500



ThinkPad Business Topload Case 43R2476



Lenovo ThinkPad T500 with T500/R500/W500 Series 15W Privacy Filter 43R2474



Lenovo ThinkPad T500



Lenovo ThinkPad T500



ThinkPad Battery 42 (3-cell, bay) 57Y4536

| Type- Proc- model essor | GHz Memory | Cam- | Integrated graphics (| SATA optical | Mini PCle I 802.11 wireless | WWAN | Mini PCle UWB or Turbo | print | Blue- | Avail date |
|----------------------------------|------------|------|--------------------------|-----------------|-----------------------------------|------|------------------------------|-------|-------|---------------|
| 2242-8QU P8600 2242-8RU P8600 | | | | | | | | | | Oct 09 |

- These small and medium business (SMB) models are part of the US TopSeller™ Program
 These models have a depot repair service 1-year limited warranty

| Processor | Intel® Core™ 2 Duo processor P8600 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache | Preloaded operating system ²⁰ - Windows® XP Professional | | | |
|--|--|---|--|--|--|
| Memory | 2GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; Non-italics: standard memory in one socket; one socket available | preinstalled through downgrade rights in Genuine Windows 7 Professional 32 | | | |
| SATA DVD±RW Ultrabay Slim SATA disk | DVD burner, SATA 1.5Gb/s, 9.5mm Ultrabay slim, removable (43N3214) One modular bay for interchangeable devices (right side), 9.5mm high bay, flat bezel 250GB ⁸ (5400 rpm) or 320GB (5400 rpm) / SATA 1.5Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports second disk, ThinkPad Shock Mounted Hard Drive, Active Protection System™ | Preloaded applications¹⁴ (only some listed) • Rescue and Recovery™ • Access Connections™ • Client Security Solution™ | | | |
| Widescreen display Camera | 15.4" (391mm) WXGA (1280x800) color, anti-glare, LED backlight, 200 nits, 16:10 aspect ratio, 400:1 contrast ratio Some: camera on top of screen, 1.3-megapixel, fixed focus | ThinkVantage Productivity Center Fingerprint Software Lenovo System Toolbox Roxio® Creator® Business Edition | | | |
| Integrated graphics | Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45, digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); Maximum external resolution: 2048x1536@75Hz | (DVD±RW) • Roxio MyDVD® (DVD±RW) • Corel® WinDVD® (DVD±RW) | | | |
| Keyboard TrackPoint® Touch pad | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label | Supports ThinkVantage® technologies | | | |
| ThinkLight™ | Illuminates the keyboard to improve visibility in low-light conditions | 65-watt (GMA graphics) AC adapter ThinkPad Roll Cage and Top Cover | | | |
| Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰ | 6-cell 15.4W" (WxDxH): 14.1" x 10" x 1.2–1.3"; 357.5mm x 255mm x 30–34mm 6-cell: starting at 5.9 lb (2.7kg) Black Top: Super-Elastic PolyCarbonate (SEPC); Bottom: Carbon-Fiber Reinforced Plastic Lithium Ion 6-cell, supports unique 2nd battery in Ultrabay Slim 6-cell: up to 6.3 hr; 6-cell plus Ultrabay battery: up to 7.8 hr; 9-cell: up to 9.4 hr | Roll Cage (one-piece magnesium) Climate Savers® certified EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹7 | | | |
| Chipset | Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M-Enhanced I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) | 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 | | | |
| ExpressCard/54 PC Card | One slot (ExpressCard/34, ExpressCard/54) One slot (Type I, Type II), CardBus 32-bit | ThinkPlus™. 22 1-year LOR24 9x5 NBD | | | |
| Smart Card reader Multicard reader | 7-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) | 45K5968 ThinkPlus 2-year LOR 9x5 NBD 45K5969 | | | |
| Ports | Three USB 2.0, external monitor ¹¹ (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) | ThinkPlus 3-year LOR 9x5 NBD 45K5970 | | | |
| Mini PCI Express Intel 5100 ²⁸ | Three Mini PCI Express slots 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) | ThinkPlus 4-year LOR 9x5 NBD 45K5973 | | | |
| WWAN upg 2G Turbo | None None | ThinkPlus 5-year LOR 9x5 NBD 45K5975 | | | |
| UWB Modem | None 56K V.92 ⁶ modem | ThinkPlus 2-year P&L P/U Depot 45K5971 | | | |
| Bluetooth™ Ethernet | Some: Bluetooth 2.1 wireless, LED indicator Intel 82567LF Gigabit Network Connection (Boazman), PHY, PCIe x1 | ThinkPlus 3-year P&L P/U Depot 45K5972 | | | |
| Intel AMT Audio support | None High Definition (HD) Audio, Conexant 20561 codec / stereo speakers, 1 watt / volume | ThinkPlus 4-year P&L P/U Depot 45K5974 | | | |
| Security | up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole | ThinkPlus 5-year P&L P/U Depot 45K5976 | | | |
| Security chip | Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant r Fingerprint reader on palm rest, swipe sensor, supports the security chip | Post-warranty annual maintenance agreements at | | | |
| Limited warranty ¹² | ² 1-year - depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty | | | |

| | | Wide- | CCFL | Disk | | Mini PCle | Mini PCIe | | e Finger | | |
|-------|------------------|---------|------|----------------------------------|---------|-----------|-----------|----------|--------------|------|-------|
| Type- | Proc- | screen | | Cam-Integrated SATA | SATA | 802.11 | WWAN | UWB | print Blue- | Pre- | Avail |
| model | essor GHz Memory | display | LED | era graphics GB [®] rpm | optical | wireless | | or Turbo | reader tooth | load | date |

2242-8SU P8600 2.40 2GB 15.4" WXGA LED Cam GMA 320G 5400 DVD±RW : Intel 510028 None None Fing Blue Pro 32 Oct 09

• This small and medium business (SMB) model is part of the US TopSeller™ Program

| Processor | Intel® Core™ 2 Duo processor P8600 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache | Preloaded operating system ²⁰ - Genuine Windows® 7 |
|--|--|---|
| Memory | 2GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; Non-italics: standard memory in one socket; one socket available | Professional 32 Preloaded applications ¹⁴ (only some listed) |
| SATA DVD±RW Ultrabay Slim SATA disk | DVD burner, SATA 1.5Gb/s, 9.5mm Ultrabay slim, removable (43N3214) One modular bay for interchangeable devices (right side), 9.5mm high bay, flat bezel 320GB ⁸ (5400 rpm) / SATA 1.5Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports second disk, ThinkPad Shock Mounted Hard Drive, Active Protection System™ | Reścue and Recovery™ Access Connections™ Password Manager ThinkVantage Power Manager ThinkVantage System Update |
| Widescreen display Camera | 15.4" (391mm) WXGA (1280x800) color, anti-glare, LED backlight, 200 nits, 16:10 aspect ratio, 400:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus | Fingerprint Software ThinkVantage Toolbox Skype™ for Windows Roxio® Creator® Business Edition |
| Integrated graphics | Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45, digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); Maximum external resolution: 2048x1536@75Hz | (DVD±RW) • Roxio MyDVD® (DVD±RW) • Corel® WinDVD® (DVD±RW) |
| Keyboard TrackPoint® | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass | Supports ThinkVantage® technologies |
| Touch pad ThinkLight™ | UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label Illuminates the keyboard to improve visibility in low-light conditions | 65-watt (GMA graphics) AC adapter ThinkPad Roll Cage and Top Cover |
| Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰ | 6-cell 15.4W" (WxDxH): 14.1" x 10" x 1.2–1.3"; 357.5mm x 255mm x 30–34mm 6-cell: starting at 5.9 lb (2.7kg) Black Top: Super-Elastic PolyCarbonate (SEPC); Bottom: Carbon-Fiber Reinforced Plastic Lithium Ion 6-cell, supports unique 2nd battery in Ultrabay Slim 6-cell: up to 6.3 hr; 6-cell plus Ultrabay battery: up to 7.8 hr; 9-cell: up to 9.4 hr | Roll Cage (one-piece magnesium) Climate Savers® certified EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹7 |
| Chipset | Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M-Enhanced I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) | 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 |
| ExpressCard/54 PC Card | One slot (ExpressCard/34, ExpressCard/54) One slot (Type I, Type II), CardBus 32-bit | ThinkPlus™.22 1-year LOR24 9x5 NBD 45K5968 |
| Smart Card read Multicard reader Ports | None 7-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) Three USB 2.0, external monitor ¹¹ (VGA DB-15, DisplayPort), modem (RJ-11), | ThinkPlus 2-year LOR 9x5 NBD 45K5969 |
| | ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) | ThinkPlus 3-year LOR 9x5 NBD 45K5970 |
| Mini PCI Express Intel 5100 ²⁸ | 11a/b/g/n wireless ⁴ , Mini PCle adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) | ThinkPlus 4-year LOR 9x5 NBD 45K5973 |
| WWAN upg 2G Turbo | None None | ThinkPlus 5-year LOR 9x5 NBD 45K5975 |
| UWB Modem | None 56K V.92 ⁶ modem | ThinkPlus 2-year P&L P/U Depot 45K5971 |
| Bluetooth™ Ethernet | Bluetooth 2.1 wireless, LED indicator Intel 82567LF Gigabit Network Connection (Boazman), PHY, PCIe x1 | ThinkPlus 3-year P&L P/U Depot 45K5972 |
| Intel AMT Audio support | None High Definition (HD) Audio, Conexant 20561 codec / stereo speakers, 1 watt / volume | ThinkPlus 4-year P&L P/U Depot 45K5974 |
| Security | up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole | ThinkPlus 5-year P&L P/U Depot |
| Security chip | Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant r Fingerprint reader on palm rest, swipe sensor, supports the security chip | 45K5976 Post-warranty annual maintenance agreements at |
| Limited warranty ¹² | ² 1-year - depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty |

| Proc- Type-model essor GHz M | /lemory | screen | | | ntegrate graphic | ed SA | | SATA optical | Mini PCle I 802.11 wireless | WWAN | Mini PCle UWB or Turbo | print | Blue- | | Avail date |
|---------------------------------|---------|----------|-----|-----|---------------------|-------|------|----------------|-----------------------------------|--------|------------------------------|--------|-------|--------|---------------|
| 2243-93U P8700 2.53 | 2GB 15 | .4" WXGA | LED | Cam | GMA | 320G | 7200 | DVD ±RW | Intel 5100² | 8 None | None | Finger | Blue | XP Pro | Oct 09 |
| 2243-95U P8700 2.53 | 2GB 15 | .4" WXGA | LED | Cam | GMA | 80G | SSD | DVD±RW | | None | None | Finger | Blue | XP Pro | Oct 09 |

• These small and medium business (SMB) models are part of the US TopSeller™ Program

| Intel HD Boost, 1066MHz system bus, and 3MB L2 cache GB std 763D max* / PcJ 3-3500 1066MHz DDR3, non-parity, | | LI IA O THOR | I = |
|--|--|---|---|
| dual-chamnel capable, two 204-pin SO-DIMM sockets: NOn-Idalics: standard memory in one socket one socket available SATA DVD-RW Ultrabay Slim SATA disk SATA Gisk SA | Processor | Intel® Core™ 2 Duo processor P8700 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache | - Windows® XP Professional |
| Ultrabay Slim SATA disk SOme: 320GB (7200 rpm) / SATA 1.5Gb/s, 2.5° wide, 9.5mm high bay, flat bezel Some: 320GB (7200 rpm) / SATA 1.5Gb/s, 2.5° wide, 9.5mm high Some: 320GB (7200 rpm) / SATA 1.5Gb/s, 2.5° wide, 9.5mm high Aliremovable, upgradable, supports 2nd disk, Shock Mounted Hard Drive, Widescreen display Camera 15.4° (391 mm) WXGA (1280x800) color, anti-glare, LED backlight, Camera on top of screen, 1.3-megaphsel, fixed focus Integrated graphics Integrated graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45, digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915): Maximum external resolution: 2048x1536 8° 75Hz. Keyboard TrackPoint* TrackPoint* opinting device, Press-to-Select, Internet Scroll Bar¹s, magnifying glass UltraNav*, wide touch pad below keyboard, Tap Zones, scrolling regions label Illuminates the keyboard to improve visiblithy in 6w-light conditions Cecell 15.4W* (WxDxH)-14.1* x 10° x 1.2-1.3°; 357.5mm x 255mm x 30–34mm 6-cell* starting at 5.9 b (2.7kg) Black Top: Super-Elastic PolyCarbonate (SEPC); Bottom: Carbon-Fiber Reinforced Plastic Battery - yie Sattery - life X-cell* pto 6.3 hr; 6-cell plus Ultrabay battery; up to 7.8 hr; 9-cell* up to 9.4 hr 6-cell* starting at 5.9 b (SATA 3.06bs, USB 2.0, PCI Express* 1.1, PC Card Smart Card read Multicard reader Ports Forts Smart Card read Multicard reader Ports Smart Card reader Ports Smart Card read Multicard reader Ports Smart Card read (MMC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) Three USB 2.0, external monitor* (VGA DB-15, DisplayPort), modem (R24-5) Security some display provided to the provided of the provided of the provided of the provided of | Memory | dual-channel capable, two 204-pin SO-DIMM sockets; | rights in Genuine Windows 7 |
| or Security | | One modular bay for interchangeable devices (right side), 9.5mm high bay, flat bezel Some: 80GB ⁸ Solid State Drive (SSD) / SATA 3.0Gb/s, 1.8" wide, 8mm high Some: 320GB (7200 rpm) / SATA 1.5Gb/s, 2.5" wide, 9.5mm high, Active Protection System™ | listed) ■ Rescue and Recovery [™] ■ Access Connections [™] ■ Client Security Solution [™] ■ ThinkVantage Productivity Center |
| digital monitor support via DisplayPort (supports single-link DVI-Ď via cable 45J7915); Maximum external resolution: 2048x1536@75Hz Seyboard TrackPoint® DrackPoint® TrackPoint® David DrackPoint® TrackPoint® DrackPoint® | Camera ' | 200 nits, 16:10 aspect ratio, 400:1 contrast ratio | Fingerprint Software (fingerprint models) |
| TrackPoint* TrackPoint* pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass Touch pad UltraNay¹¹¹, wide touch pad below keyboard. Tar Jozones, scrolling regions label Illuminates the keyboard to improve visibility in low-light conditions will be under the pad below keyboard. Tar Jozones, scrolling regions label Illuminates the keyboard to improve visibility in low-light conditions. Dimensions³ 6-cell 15.4W² (WxDxH): 14.1* x 10* x 1.2−1.3*; 357.5mm x 255mm x 30–34mm 6-cell: starting at 5.9 lb (2.7kg) Black 7bp: Statery - type Battery - type to 6.3 hr; 6-cell plus Ultrabay battery: up to 7.8 hr; 9-cell: up to 9.4 hr Chipset Mobile Intel GM35 Express Chipset (Graphics Memory Controller Hub), CH9M-Enhanced I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet tMAC), LPC bus (WPCN385 Super I/O) ExpressCard/54 Vand PC Card None Multicard reader Ports Three USB 2.0, external monitor¹¹ (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) Mini PCI Express Three Mini PCI Express slots Intel S100²® 1/ab/dyn wireless⁴, Mini PCle adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) None None None S6K V.92° modem S6K V.92° modem Bluetooth™ Bluetooth 2.1 wireless, LED indicator High Definition (HD) Audio, Conexant 20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack power-on password, hard disk password, security keyhole Fingerprint reader Fingerprint reader on palm rest, swipe sensor, supports fine security chip | | digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); | virus definitions) |
| Dimensions 6-Cell 1-4-W" (WxDxH): 14.1" x 10" x 1.2-1.3"; 357.5mm x 255mm x 30-34mm (wight) 6-Cell: starting at 5.9 lb (2.7kg) Black Case color Case material Battery - lype Battery - life 6-Cell: up to 6.3 hr; 6-Cell plus Ultrabay battery: up to 7.8 hr; 9-Cell: up to 9.4 hr Chipset Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), (CH9M-Enhanced I/O Controller Hub) (SATA 3.0Gb/s, USB 2.0, PCI Express 1.1, PCI 2.3, security chip ethernet MAC), LPC bus (WPCN385 Super I/O) ExpressCard/54 PC Card Smart Card read Multicard reader Ports Intel 5100 ²⁸ Mini PCI Express Intel 5100 ²⁸ WWAN upg 2G Turbo WWAN upg 2G Turbo WWAN upg 2G Turbo WWAN upg 2G Turbo Wone Modem Modem Modem Modem Modem Modem Modem Modem Modem High Definition (HD) Audio, Conexant 20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security well and reader power in the grated in ICH9M, TCG 1.2-compliant Ports agreements at 10 microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security well cape in the grated in ICH9M, TCG 1.2-compliant Fingerprint reader on palm rest, swipe sensor, supports the security chip Dimensions Mopile Intel starting at 5.9 lb (2.7kg) Roxio MyDVD9 (DVD±RW) Supports ThinkVantage® technologies 65-watt (GMA graphics) AC adapter ThinkPad Roll Cage and Top Cover Roll Cage (one-piece magnesium) Climate Savers® certified EPAT™ Gold rating EP | Keyboard TrackPoint® Touch pad ThinkLight™ | TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label Illuminates the keyboard to improve visibility in low-light conditions | and Presentation Director) • Adobe® Reader® • Windows Live™ Toolbar |
| ICH9M-Enhanced I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) ExpressCard/54 PC Card One slot (ExpressCard/34, ExpressCard/54) One slot (Type I, Type II), CardBus 32-bit None 7-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) Ports Three USB 2.0, external monitor¹¹ (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) Mini PCI Express Intel 5100²² 11a/b/g/n wireless⁴, Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) WWAN upg 2G Turbo UWB None Modem S6K V.92⁵ modem Bluetooth™ Bluetooth™ Bluetooth™ Bluetooth™ Bluetooth™ Audio support High Definition (HD) Audio, Conexant 20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security seyhole Security chip Fingerprint reader Fingerprint reader on palm rest, swipe sensor, supports the security chip Tintel ABT ThinkPad Roll Čage and Top Cover Roll Cage (one-piece magnesium) Climate Savers⁵ certified EPEAT™ Gold rating ENERGY STAR® 5.0-compliant International Warranty Service¹ 24 hour x 7 day¹® toll-free support during the warranty period¹² via 800-426-7378 ThinkPlus™.²² 3-year LOR²⁴ 9x5 NBD 45K6021 ThinkPlus 4-year P&L P/U Depot 45K6023 ThinkPlus 4-year P&L P/U Depot 45K6025 ThinkPlus 5-year P&L P/U Depot 45K6025 Post-warranty annual maintenance agreements at | Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰ | 6-cell: starting at 5.9 lb (2.7kg) Black Top: Super-Elastic PolyCarbonate (SEPC); Bottom: Carbon-Fiber Reinforced Plastic Lithium Ion 6-cell, supports unique 2nd battery in Ultrabay Slim | (DVD±RW) • Roxio MyDVD® (DVD±RW) • Corel® WinDVD® (DVD±RW) |
| Intel 5100 ²⁸ Intel 5100 ²⁸ Intel 5100 ²⁸ Intel 5100 ²⁸ WWAN upg Yone None None None None None None S6K V.92 ⁶ modem Bluetooth™ Bluetooth 2.1 wireless, LED indicator Intel 82567LF Gigabit Network Connection (Boazman), PHY, PCle x1 None Audio support High Definition (HD) Audio, Conexant 20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Security Chip Fingerprint reader on palm rest, swipe sensor, supports the security chip Intel 5100 ²⁸ Via 800-426-7378 ThinkPlus ^{™, 22} 3-year LOR ²⁴ 9x5 NBD 45K6021 ThinkPlus 4-year LOR 9x5 NBD 45K6022 ThinkPlus 5-year LOR 9x5 NBD 45K6024 ThinkPlus 4-year P&L P/U Depot 45K6023 ThinkPlus 5-year P&L P/U Depot 45K6023 ThinkPlus 5-year P&L P/U Depot 45K6025 | | ICH9M-Enhanced I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) One slot (ExpressCard/34, ExpressCard/54) One slot (Type I, Type II), CardBus 32-bit None 7-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) Three USB 2.0, external monitor¹¹ (VGA DB-15, DisplayPort), modem (RJ-11), | ThinkPad Roll Čage and Top Cover Roll Cage (one-piece magnesium) Climate Savers® certified EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day¹8 toll-free support |
| Modem S6K V.926 modem Bluetooth 7 Bluetooth 2.1 wireless, LED indicator Ethernet Intel 82567LF Gigabit Network Connection (Boazman), PHY, PCle x1 None Audio support High Definition (HD) Audio, Conexant 20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Security Chip Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader Fingerprint reader on palm rest, swipe sensor, supports the security chip Hill 13 4-year LOR 9x5 NBD 45K6024 ThinkPlus 5-year P&L P/U Depot 45K6023 ThinkPlus 5-year P&L P/U Depot 45K6025 Post-warranty annual maintenance agreements at | Intel 5100 ²⁸ WWAN upg 2G Turbo | 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) None None | via 800-426-7378 ThinkPlus™.22 3-year LOR24 9x5 NBD 45K6021 |
| Audio support High Definition (HD) Audio, Conexant 20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Security Security chip Fingerprint reader High Definition (HD) Audio, Conexant 20561 codec / stereo speakers, 1 watt / volume 45K6023 ThinkPlus 5-year P&L P/U Depot 45K6025 Post-warranty annual maintenance agreements at | Modem Bluetooth™ Ethernet Intel AMT | 56K V.92 ^s modem Bluetooth 2.1 wireless, LED indicator Intel 82567LF Gigabit Network Connection (Boazman), PHY, PCIe x1 | 45K6022 ThinkPlus 5-year LOR 9x5 NBD 45K6024 |
| agroomente at | Audio support Security Security chip | High Definition (HD) Audio, Conexant 20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant | 45K6023 ThinkPlus 5-year P&L P/U Depot 45K6025 Post-warranty annual maintenance |
| | | | |

| Type-model | Proc- essor | GHz | Memor | Wide- screen y display | Cam- | Disk ed SATA s GB [®] rpm | SATA optical | Mini PCle 802.11 wireless | Mini PCIe WWAN | print | Blue- | Avail date |
|------------|----------------|-----|-------|------------------------------|------|--|-----------------|---|-------------------|-------|-------|------------------|
| | | | | | | | | | | | | Oct 09 |
| | | | | | | | | Intel 5100Intel 5100 | | | | Nov 09 Nov 09 |

These small and medium business (SMB) models are part of the US TopSeller™ Program

| Processor | Intel® Core™ 2 Duo processor P8700 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache | Preloaded operating system ²⁰ - Genuine Windows® 7 |
|--|---|--|
| Memory | 2GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Non-italics:</i> standard memory in one socket; one socket available | Professional 32 Preloaded applications ¹⁴ (only some listed) |
| SATA DVD±RW Ultrabay Slim SATA disk | DVD burner, SATA 1.5Gb/s, 9.5mm Ultrabay slim, removable (43N3214) One modular bay for interchangeable devices (right side), 9.5mm high bay, flat bezel Some: 128GB³ Solid State Drive (SSD) / SATA 3.0Gb/s, 1.8" wide, 8mm high Some: 320GB (7200 rpm) / SATA 1.5Gb/s, 2.5" wide, 9.5mm high, Active Protection System™ All: removable, upgradable, supports 2nd disk, Shock Mounted Hard Drive | Rescue and Recovery™ Access Connections™ Password Manager ThinkVantage Power Manager ThinkVantage System Update Fingerprint Software (fingerprint |
| Widescreen display Camera | 15.4" (391mm) WXGA (1280x800) color, anti-glare, LED backlight, 200 nits, 16:10 aspect ratio, 400:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus | models) ThinkVantage Toolbox Lenovo Online Data Backup Norton™ Internet Security 2009 |
| Integrated graphics | Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45, digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); Maximum external resolution: 2048x1536@75Hz | (30 days of virus definitions) • Adobe® Reader® • Adobe Flash® Player |
| Keyboard TrackPoint® Touch pad ThinkLight™ | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label Illuminates the keyboard to improve visibility in low-light conditions | Skype™ for Windows Microsoft® Office 2007 Trial (60-day) Microsoft Research AutoCollage Touch Douch Research Research Statistics |
| Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰ | 6-cell 15.4W" (WxDxH): 14.1" x 10" x 1.2–1.3"; 357.5mm x 255mm x 30–34mm 6-cell: starting at 5.9 lb (2.7kg) Black Top: Super-Elastic PolyCarbonate (SEPC); Bottom: Carbon-Fiber Reinforced Plastic Lithium Ion 6-cell, supports unique 2nd battery in Ultrabay Slim 6-cell: up to 6.3 hr; 6-cell plus Ultrabay battery: up to 7.8 hr; 9-cell: up to 9.4 hr | Roxio® Creator® Business Edition (DVD±RW) Roxio MyDVD® (DVD±RW) Corel® WinDVD® (DVD±RW) Supports ThinkVantage® technologies |
| Chipset ExpressCard/54 PC Card Smart Card read Multicard reader Ports | Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M-Enhanced I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) One slot (ExpressCard/34, ExpressCard/54) One slot (Type I, Type II), CardBus 32-bit None 7-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) Three USB 2.0, external monitor¹¹ (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) | 65-watt (GMA graphics) AC adapter ThinkPad Roll Cage and Top Cover Roll Cage (one-piece magnesium) Climate Savers® certified EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹7 |
| Mini PCI Express Intel 5100 ²⁸ Verizon ¹⁶ | Three Mini PCI Express slots 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) Wireless WAN, Qualcomm Gobi 1000 chipset, Mini PCIe adptr, EV-DO Rev. A, | 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 |
| 2G Turbo UWB Modem Bluetooth™ Ethernet Intel AMT Audio support | GPRS/WCDMA/HSPA, GPS, service contract required with Verizon® None None 56K V.92® modem Bluetooth 2.1 wireless, LED indicator Intel 82567LF Gigabit Network Connection (Boazman), PHY, PCle x1 None High Definition (HD) Audio, Conexant 20561 codec / stereo speakers, 1 watt / volume | ThinkPlus™.22 3-year LOR24 9x5 NBD 45K6021 ThinkPlus 4-year LOR 9x5 NBD 45K6022 ThinkPlus 5-year LOR 9x5 NBD 45K6024 ThinkPlus 4-year P&L P/U Depot |
| Security Security chip Fingerprint reade | up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant r Fingerprint reader on palm rest, swipe sensor, supports the security chip 2 3-years/1-yr battery - EasyServ ^{TM,19} depot repair service / service upgrades ²² available | 45K6023 ThinkPlus 5-year P&L P/U Depot 45K6025 Post-warranty annual maintenance agreements at lenovo.com/thinkplus/warranty |
| | · · · · · · · · · · · · · · · · · · · | |

See footnotes for important warranty information

∴ Intel Centrino® 2 processor technology

See US models announced November 3, 2009; previous model on October 22, 2009

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(CR5-18) March 2010

| Proc- Type-model essor | Proc- Proc- odel essor GHz Memory display | | Cam- era | | | | Mini PCle Mini PCle Mini PCle Bat 802.11 WWAN UWB tery wireless or Turbo cell | | | tery Avail | | |
|--|---|--------------|-------------|--------------|-----------|--------|---|--------------------|------|------------|----------------------------|--------|
| 2082-BKU P8700 2082-BMU P8700 2082-BNU T9600 | 2.53 <i>3GB</i> | 15.4" WSXGA+ | Cam | GMA, HD 3650 | 320G 7200 | DVD±RW | Intel 5100 | AT&T ²³ | None | 9 | XP Pro XP Pro XP Pro | Oct 09 |

- These small and medium business (SMB) models are part of the US TopSeller™ Program
 These models have an EasyServ™.19 depot repair service 3-year limited warranty

| Positioning Processor | Premiere performance; two spindles Intel® Core™ 2 Duo processor P8700 or T9600 with dual-core, Intel HD Boost, 1066MHz system bus; P8700: 3MB L2 cache; T9600: 6MB L2 cache | Preloaded operating system ²⁰ - Windows® XP Professional preinstalled through downgrade |
|--|---|---|
| Memory | 3GB or 4GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available | rights in Genuine Windows 7 Professional 32 Preloaded applications ¹⁴ (only some |
| SATA DVD±RW Ultrabay Slim SATA disk | DVD burner, SATA 1.5Gb/s, Ultrabay Slim, removable (43N3214) One modular bay for interchangeable devices (right side), 9.5mm high bay, flat bezel 320GB ⁸ (7200 rpm) / SATA 1.5Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports 2nd disk, ThinkPad Shock Mounted Hard Drive, Active Protection System™ | listed) ■ Rescue and Recovery™ ■ Access Connections™ ■ Client Security Solution™ ■ ThinkVantage Productivity Center |
| Widescreen display Camera | 15.4" (391mm) WSXGA+ (1680x1050) color, anti-glare, CCFL backlight, 200 nits, 16:10 aspect ratio, 500:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus | ThinkVantage System Update Fingerprint Software (fingerprint models) McAfee VirusScan® Plus with |
| Switchable graphics | Switches between discrete and integrated graphics (Windows 7 only), Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45, and ATI™ Mobility Radeon™ HD 3650, PCI Express x16, 256MB memory, digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); Maximum external resolution: 2048x1536@75Hz | SiteAdvisor™ (30 days of virus definitions) • Lenovo System Toolbox • ThinkPad Utilities (Power Manager and Presentation Director) |
| Keyboard TrackPoint® Touch pad ThinkLight™ | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label Illuminates the keyboard to improve visibility in low-light conditions | Adobe® Reader® Windows Live™ Toolbar Microsoft® Office 2007 Trial (60-day) Roxio® Creator® Business Edition (DVD±RW) |
| Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰ | 6-cell 15.4W" (WxDxH): 14.1" x 10" x 1.2–1.3"; 357.5mm x 255mm x 30–34mm 9-cell: starting at 6.2 lb (2.8kg) Black Top: Super-Elastic PolyCarbonate (SEPC); Bottom: Carbon-Fiber Reinforced Plastic Lithium Ion 9-cell, supports unique 2nd battery in Ultrabay Slim 9-cell: up to 9.4 hr; 9-cell plus Ultrabay battery: up to 10.9 hr | Roxio MyDVD® (DVD±RW) Corel® WinDVD® (DVD±RW) |
| Chipset | Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M-Enhanced I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, | Supports ThinkVantage® technologies |
| ExpressCard/54 PC Card Smart Card read Multicard reader Ports | PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) One slot (ExpressCard/34 or ExpressCard/54) One slot (Type I, Type II), CardBus 32-bit None 7-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) Three USB 2.0, external monitor ¹¹ (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) | 90-watt (ATI graphics) AC adapter ThinkPad Roll Cage and Top Cover Roll Cage (one-piece magnesium) Climate Savers® certified EPEAT™ Silver rating ENERGY STAR® 5.0-compliant RoHS-compliant |
| Mini PCI Express Intel 5100 ²⁸ WWAN upg AT&T ²³ | 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) None Some: Wireless WAN, Qualcomm Gobi 1000 chipset, Mini PCIe adapter, | International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 |
| 2G Turbo UWB Modem | GPRS/WCDMA/HSPA, GPS, service contract required with AT&T® None None 56K V.92® modem | ThinkPlus™.22 3-year LOR24 9x5 NBD 45K6021 ThinkPlus 4-year LOR 9x5 NBD 45K6022 |
| Bluetooth™ Ethernet | Bluetooth 2.1 wireless, LED indicator Intel 82567LF Gigabit Network Connection (Boazman), PHY, PCIe x1 | ThinkPlus 5-year LOR 9x5 NBD 45K6024 |
| Intel AMT Audio support | None High Definition (HD) Audio, Conexant 20561 codec / stereo speakers, 1 watt / volume | ThinkPlus 4-year P&L P/U Depot 45K6023 |
| Security Security chip | up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader on palm rest, swipe sensor, supports the security chip | ThinkPlus 5-year P&L P/U Depot 45K6025 Post-warranty annual maintenance |
| | 2 3-years/1-yr battery - EasyServ ^{TM,19} depot repair service / service upgrades ²² available | agreements at lenovo.com/thinkplus/warranty |
| | | |



Lenovo® ThinkPad W500



ThinkPad Advanced Mini Dock 250410U



Lenovo ThinkPad W500



Lenovo ThinkPad W500



Lenovo ThinkPad W500



Lenovo ThinkPad W500

| Type-model | Proc- essor | GHz | Memory | Wide- screen display | Switchable graphics | Disk SATA GB [®] rpm | SATA optical | Mini PCle 802.11 wireless | Mini PCIe WWAN | Mini PCle UWB or Turbo | tery | | Avail date |
|------------|----------------|-----|--------|-----------------------------|---------------------|-------------------------------------|-----------------|---------------------------------|----------------------|------------------------------|------|------------------|---------------|
| | | | | 15.4" WSXGA+ 15.4" WUXGA | | | | | WWAN upg WWAN upg | | | XP Pro XP Pro | |

- These small and medium business (SMB) models are part of the US TopSeller™ Program
 Power-packed engineering with Open GL graphics and ISV certifications

| Positioning Processor | Mobile workstation; two spindles Intel® Core™ 2 Duo processor T9600 or T9900 with dual-core, Intel HD Boost, 1066MHz system bus, and 6MB L2 cache | Preloaded operating system ²⁰ - Windows® XP Professional preinstalled through downgrade |
|---|--|--|
| Memory | 3GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; | rights in Genuine Windows 7 Professional 32 Preloaded applications ¹⁴ (only some |
| SATA DVD±RW Ultrabay Slim SATA disk | DVD burner, SATA 1.5Gb/s, Ultrabay Slim, removable (43N3214) One modular bay for interchangeable devices (right side), 9.5mm high bay, flat bezel 320GB ⁸ (7200 rpm) / SATA 1.5Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports second disk, ThinkPad Shock Mounted Hard Drive, Active Protection System™ | listed) • Rescue and Recovery™ • Access Connections™ • Client Security Solution™ • ThinkVantage Productivity Center |
| Widescreen display Camera | Some: 15.4" (391mm) WSXGA+ (1680x1050) color, anti-glare, CCFL backlight, 200 nits, 16:10 aspect ratio, 500:1 contrast ratio Some: 15.4" (391mm) WUXGA (1920x1200) color, anti-glare, CCFL backlight, 175 nits, 16:10 aspect ratio, 500:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus | ThinkVantağe System Update Fingerprint Software (fingerprint models) McAfee VirusScan® Plus with SiteAdvisor™ (30 days of virus definitions) |
| Switchable graphics | Switches between discrete and integrated graphics (Windows 7 only), Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45, and ATI™ Mobility FireGL™ V5700, PCI Express x16, 512MB memory, digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); Maximum external resolution: 2048x1536@75Hz | Lenovo System Toolbox ThinkPad Utilities (Power Manager and Presentation Director) Adobe® Reader® Windows Live™ Toolbar |
| Keyboard TrackPoint® Touch pad ThinkLight™ | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label Illuminates the keyboard to improve visibility in low-light conditions | Microsoft® Office 2007 Trial (60-day) Roxio® Creator® Business Edition (DVD±RW) Roxio MyDVD® (DVD±RW) Corel® WinDVD® (DVD±RW) |
| Dimensions ³ Weight ² Case material Battery - type Battery - life ¹⁰ | 6-cell 15.4W" (WxDxH): 14.1" x 10" x 1.2–1.3"; 357.5mm x 255mm x 30–34mm 9-cell: starting at 6.2 lb (2.8kg) Top: Super-Elastic PolyCarbonate (SEPC); Bottom: Carbon-Fiber Reinforced Plastic Lithium Ion 9-cell, supports unique 2nd battery in Ultrabay Slim 9-cell: up to 9.4 hr; 9-cell plus Ultrabay battery: up to 10.9 hr | Supports ThinkVantage® technologies |
| Chipset ExpressCard/54 PC Card Smart Card Read | Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M-Enhanced I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) One slot (ExpressCard/34, ExpressCard/54) One (Type I, Type II), CardBus 32-bit None 7-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) Three USB 2.0, external monitor¹¹ (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) | 90-watt (ATI graphics) AC adapter ThinkPad Roll Cage and Top Cover Roll Cage (one-piece magnesium) Climate Savers® certified EPEAT™ Silver rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support |
| Mini PCI Express Intel 5100 ²⁸ WWAN upg 2G Turbo UWB | Three Mini PCI Express slots 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) Wireless WAN upgradable, requires Verizon® (43R9151) or AT&T® (43R9152) None None | during the warranty period ¹² via 800-426-7378 ThinkPlus ^{TM, 22} 3-year LOR ²⁴ 9x5 NBD 41C9176 ThinkPlus 4 year LOR 9x5 NBC |
| Modem Bluetooth™ Ethernet Intel AMT | 56K V.92 ⁶ modem Bluetooth 2.1 wireless, LED indicator Intel 82567LF Gigabit Network Connection (Boazman), PHY, PCIe x1 None | ThinkPlus 4-year LOR 9x5 NBD 41C9177 ThinkPlus 5-year LOR 9x5 NBD 41C9179 ThinkPlus 4-year P&L P/U Depot |
| Audio support Security Security chip Fingerprint reader | High Definition (HD) Audio, Conexant 20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader on palm rest, swipe sensor, supports the security chip | 41C9178 ThinkPlus 5-year P&L P/U Depot 41C9180 Post-warranty annual maintenance agreements at |
| Limited warranty ¹² | 3-years/1-yr battery - depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty |
| | | |

| Proc- Type-model essor | GHz Memo | Wide- screen ry display | Switchable graphics | Disk SATA GB [®] rpm | SATA optical | Mini PCle 802.11 wireless | Mini PCIe WWAN | | tery | Preload | Avail date |
|----------------------------------|----------|-------------------------------|--------------------------|-------------------------------------|-----------------|---------------------------------|--------------------------------|--------------|--------|---------|------------------|
| 4062-5FU T9900 4062-5GU T9900 | | 15.4" WUXGA 15.4" WUXGA | GMA, V5700 GMA, V5700 | | | | AT&T ²³ WWAN upg | None None | 9 9 | | Oct 09 Oct 09 |

- These small and medium business (SMB) models are part of the US TopSeller™ Program
 Power-packed engineering with Open GL graphics and ISV certifications

| Processor Intel® Core™ 2 Duo processor T9900 with dual-core, Intel HD Boost, 1066MHz system bus, and 6MB L2 cache | | | |
|---|--|--|---|
| Memory 4GB std / 9GB max / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets: standard memory in both sockets no sockets available; | Positioning Processor | Intel® Core™ 2 Duo processor T9900 with dual-core, | - Genuine Windows® 7 |
| SATA DVD-ERW Ultrabay Slim SATA alsobis, 25 wide devices (right side), 9.5mm high pay, flat bezel 320GB* (7200 rpm) or 250GB (7200 rpm) Full Disk Encryption [FDE] / SATA 1.56bis, 2.5* wide, 9.5mm high pay, flat bezel 320GB* (7200 rpm) or 250GB (7200 rpm) Full Disk Encryption [FDE] / SATA 1.56bis, 2.5* wide, 9.5mm high, removable, upports second disk, Shock Mounted Hard Drive, Active Protection System* Widescreen display Camera on top of screen, 1.3-megaphise, fixed focus (CFL backlight, 175 nits, 16:10 aspect ratio, 500·1 contrast ratio Camera on top of screen, 1.3-megaphise, fixed focus (margin and top of screen) (margin and top of | Memory | 4GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; | Preloaded applications ¹⁴ (only some listed) |
| Viduserbell display Camera Camera on top of soreen, 1.3-megapixel, fixed focus Camera on top of soreen, 1.3-megapixel, fixed focus Switchable graphics Switchable gra | Ultrabay Slim | One modular bay for interchangeable devices (right side), 9.5mm high bay, flat bezel 320GB 8 (7200 rpm) or 250GB (7200 rpm) Full Disk Encryption [FDE] / SATA 1.5Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports second disk, | Access Connections [™] Password Manager ThinkVantage Power Manager ThinkVantage System Update Fingerprint Software (fingerprint |
| Switchable graphics witchable graphics (GMA 450MHD), in GMA 45, and AT™ Mobility FireGL™ V5700. PCI Express x16, 512MB memory, digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); Maximum external resolution: 2048x1536e 75Hz Keyboard TrackPoint® TrackPoint® TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹3, magnifying glass UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label Illuminates the keyboard to improve visibility in low-light conditions Dimensions® 40-cell 15-4W™ (WxDxH): 14.1* x 10* x 1.2-1.3*; 357.5mm x 255mm x 30-34mm 9-cell: starting at 6.2 ib (2.8kg) Case material Battery - type Battery - type Battery - life® 9-cell: up to 9.4 hr; 9-cell plus Ultrabay battery: up to 10.9 hr Chipset Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), 1CH9M-Enhanced I/O Controller Hub (SATA 3.06b/s, USB 2.0, PCI Express* 1.1, PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) Multicard Reader Press USB 2.0, external monitor¹ (VGA DB-15, DisplayPort), modem (RJ-11), ethernet URJ-10/20 (Type 1, Type II), Cardbus 32-bit Three USB 2.0, external monitor¹ (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) Mini PCI Express Intel 5100² Some: Wireless MAN Qualcomm Gobi 1000 chipset, Mini PCle adapter, requires Verizon* (434R) 1510 or 182* (1394) or 182* (24 pour x 7 day* 101* free support wing control wireless* (4109179 intel 82567LF Gigabit Network Connection (Boazman), PHY, PCle x1 None None High Definition (HD) Audio, Conexant 20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant eagreements at | display | CCFL backlight, 175 nits, 16:10 aspect ratio, 500:1 contrast ratio | ThinkVantage ToolboxLenovo Online Data Backup |
| TrackPoint* TrackPoint* TrackPoint* TrackPoint* pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav¹¹², wide touch pad below keyboard. Tara Zones, scrolling regions label Illuminates the keyboard to improve visibility in low-light conditions with the keyboard to improve visibility in low-light conditions. Property of the keyboard to improve visibility in low-light conditions. Property of the keyboard to improve visibility in low-light conditions. Property of the keyboard to improve visibility in low-light conditions. Property of the keyboard to improve visibility in low-light conditions. Property of the keyboard to improve visibility in low-light conditions. Property of the keyboard to improve visibility in low-light conditions. Property of the keyboard targ Zones, scrolling regions label Illuminates the keyboard targ Zones, scrolling regions label Inluminates and Sones Zones Inluminates Inluminates Inluminates Inluminates Inluminates Inluminates Inluminates Inl | | Intel Graphics Media Accelerator 4500MHD (GMÀ 4500MHD), in GM45, and ATI™ Mobility FireGL™ V5700, PCI Express x16, 512MB memory, digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); | (30 days of virus definitions) • Adobe® Reader® • Adobe Flash® Player • Skype™ for Windows • Microsoft® Office 2007 Trial (60-day) |
| Dimensions 6-Ceil 1-4/W* (WXDXH): 14.1* x 10* x 1.2-1.3*; 357.5mm x 255mm x 30-34mm y 6-Ceil 1: starting at 6.2 lb (2.8kg) Case material Battery - life** 0 Poell: starting at 6.2 lb (2.8kg) Top: Super-Elastic PolyCarbonate (SEPC): Bottom: Carbon-Fiber Reinforced Plastic Little 10 of 10.9 hr 10 of 10 of 10 of 10.9 hr 10 of 10 | TrackPoint® Touch pad | TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label | Touch • Roxio® Creator® Business Edition (DVD±RW) |
| ICH9M-Enhanced I/O Controller Hub (SATĂ 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) ExpressCard/54 PC Card One (Type I, Type II), CardBus 32-bit One (MMC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) Three UsB 2.0, external monitor¹¹ (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) Nome: Wireless WAN upgradable, requires Verizon® (43R9151) or AT&T® (43R9152) One: Wireless WAN upgradable, requires Verizon® (43R9151) or AT&T® (43R9152) One: Wireless WAN upgradable, requires Verizon® (43R9151) or AT&T® (43R9152) One: Wireless WAN upgradable, requires Verizon® (43R9151) or AT&T® (43R9152) One: Wireless WAN upgradable, requires Verizon® (43R9151) or AT&T® (43R9152) One: Wireless WAN upgradable, requires Verizon® (43R9151) or AT&T® (43R9152) One: Wireless WAN upgradable, requires Verizon® (43R9151) or AT&T® (43R9152) One: Wireless WAN upgradable, requires Verizon® (43R9151) or AT&T® (43R9152) One: Wireless WAN upgradable, requires Verizon® (43R9151) or AT&T® (43R9152) One: Wireless WAN upgradable, requires Verizon® (43R9151) or AT&T® (43R9152) One: Wireless WAN upgradable, requires Verizon® (43R9151) or AT&T® (43R9152) One: Wireless WAN upgradable, requires Verizon® (43R9151) One One One One One One One On | Weight ² Case material Battery - type | 9-cell: starting at 6.2 lb (2.8kg) Top: Super-Elastic PolyCarbonate (SEPC); Bottom: Carbon-Fiber Reinforced Plastic Lithium Ion 9-cell, supports unique 2nd battery in Ultrabay Slim | |
| Intel 5100 ²⁸ Intel | ExpressCard/54 PC Card Smart Card Read Multicard Reader | ICH9M-Enhanced I/O Controller Hub (SATÁ 3.0Gb/s, UŚB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) One slot (ExpressCard/34, ExpressCard/54) One (Type I, Type II), CardBus 32-bit None 7-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) Three USB 2.0, external monitor¹¹ (VGA DB-15, DisplayPort), modem (RJ-11), | 90-watt (ATI graphics) AC adapter ThinkPad Roll Cage and Top Cover Roll Cage (one-piece magnesium) Climate Savers® certified EPEAT™ Silver rating ENERGY STAR® 5.0-compliant |
| 2G Turbo UWB None Modem S6K V.92 ⁶ modem Bluetooth 2.1 wireless, LED indicator Ethernet Intel 82567LF Gigabit Network Connection (Boazman), PHY, PCle x1 None Audio support Audio support High Definition (HD) Audio, Conexant 20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Security Chip Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader Fingerprint reader on palm rest, swipe sensor, supports the security chip TimikPlus 4-year LOR 9x5 NBD 41C9177 ThinkPlus 5-year LOR 9x5 NBD 41C9177 ThinkPlus 5-year LOR 9x5 NBD 41C9177 ThinkPlus 5-year LOR 9x5 NBD 41C9178 ThinkPlus 5-year P&L P/U Depot 41C9178 ThinkPlus 5-year P&L P/U Depot 41C9180 Post-warranty annual maintenance agreements at | Intel 5100 ²⁸ WWAN upg | 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) Some: Wireless WAN upgradable, requires Verizon® (43R9151) or AT&T® (43R9152) Some: Wireless WAN, Qualcomm Gobi 1000 chipset, Mini PCIe adapter, | 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 |
| Intel AMT Audio support Audio support Security Security Security chip Fingerprint reader Fingerprint reader None High Definition (HD) Audio, Conexant 20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader Fingerprint reader on palm rest, swipe sensor, supports the security chip ThinkPlus 4-year P&L P/U Depot 41C9178 ThinkPlus 5-year P&L P/U Depot 41C9180 Post-warranty annual maintenance agreements at | UWB Modem Bluetooth™ | None None 56K V.92 ⁶ modem Bluetooth 2.1 wireless, LED indicator | 41C9176 ThinkPlus 4-year LOR 9x5 NBD 41C9177 ThinkPlus 5-year LOR 9x5 NBD |
| agreements at | Intel AMT Audio support Security Security chip | None High Definition (HD) Audio, Conexant 20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant | ThinkPlus 4-year P&L P/U Depot 41C9178 ThinkPlus 5-year P&L P/U Depot 41C9180 Post-warranty annual maintenance |
| | Limited warranty ¹² | 3-years/1-yr battery - EasyServ™.19 depot repair service / service upgrades ²² available | |

ThinkPad® T500, W500 Accessories

| ua 1000, 11000 / 10000001. | | | |
|---|--|---|--|
| Memory 1GB PC3-8500 DDR3 SODIMM 1GB PC3-8500 DDR3 SODIMM (25-Pack) | 43R1987 ann 08/05/08 51J0551 ann 03/17/09 | Multimedia ThinkPad In-Ear Headphones | 57Y4488 ann 01/07/10 |
| 2GB PC3-8500 DDR3 SODIMM 2GB PC3-8500 DDR3 SODIMM (25-Pack) 4GB PC3-8500 DDR3 SODIMM 1GB PC3-8500 DDR3 Low-Halogen SODIMM | 43R1988 ann 08/05/08 51J0552 ann 03/17/09 51J0493 ann 03/03/09 55Y3706 ann 06/23/09 | Security Kensington® MicroSaver® Cable Lock Kensington Twin Head Cable Lock T500/R500/W500 Series 15W Privacy Filter | |
| 1GB PC3-8500 DDR3 L-H SODIMM (25-Pack 2GB PC3-8500 DDR3 Low-Halogen SODIMM 2GB PC3-8500 DDR3 L-H SODIMM (25-Pack 4GB PC3-8500 DDR3 Low-Halogen SODIMM | 55Y3707 ann 06/23/09)57Y4386 ann 06/23/09 | USB Gemplus GemPC Smart Card Reader PC Card Gemplus Smart Card Reader ExpressCard Gemplus Smart Card Reader | 41N3004 ann 12/13/05 |
| Ultrabay Slim 9.5mm Serial ATA Hard Drive Bay Adapter III DVD-ROM Ultrabay Slim SATA 1.5Gb/s CD-RW/DVD-ROM Ultrabay Slim SATA DVD Burner Ultrabay Slim SATA 1.5Gb/s | 43N3412 ann 06/23/09 43N3212 ann 08/05/08 43N3213 ann 08/05/08 43N3214 ann 08/05/08 | Batteries ThinkPad Battery 41+ (6-cell) ThinkPad Battery 41++ (9-cell) ThinkPad Battery 42 (3-cell, bay) ⁴³ ⁴³ Used in Ultrabay Slim bay. ThinkPad External Battery Charger ⁴⁴ | 40Y6799 ann 01/05/06 40Y6797 ann 09/20/05 57Y4536 ann 08/25/09 40Y7625 ann 09/20/05 |
| Storage and removable storage | | 44 Requires the ThinkPad 90W AC Adapter 40Y7659 or the adapter provided with the | |
| 160GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ 160GB Disk SATA 1.5Gb/s (7200 rpm) ⁴¹ | 41N5692 ann 03/20/07 41N5737 ann 10/16/07 | More information at www.lenovo.com/allda | |
| 250GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ 250GB Disk FDE SATA 1.5Gb/s (7200 rpm) ⁴¹ | 43R8152 ann 01/15/08 43N3410 ann 01/20/09 | ThinkPad 65W AC Adapter ⁴⁵ ⁴⁵ Only compatible with the integrated graph | |
| 320GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ 320GB Disk SATA 1.5Gb/s (7200 rpm) ⁴¹ 500GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ | 43N3403 ann 08/05/08 43N3411 ann 01/20/09 43N3420 ann 06/23/09 | ThinkPad 90W AC Adapter 90W Ultraslim AC/DC Combo Adapter More info at www.lenovo.com/support/pov | 40Y7659 ann 09/20/05 41R4493 ann 09/22/09 weradapters |
| 500GB Disk SATA 3.0Gb/s (7200 rpm) ⁴¹ 41 Can be used as the main HDD or with Serial ATA Hard Drive Bay Adapter III | 43N3423 <i>ann 01/07/10</i> | Charging tips for 90W Ultraslim AC/DC Con Palm device charge tip (L7) | • |
| 128GB SSD SATA 3.0Gb/s 1.8" (2.5" cover) 256GB FDE SSD SATA 3Gb/s 1.8"(2.5" cover) | 43N3406 ann 08/26/08 | BlackBerry charge tip (L8a) iPod and iPhone Charge Tip (L10a) Generic Micro USB charge tip (L18) | 41R4478 ann 12/18/07 41R4481 ann 12/18/07 41R4490 ann 01/06/09 |
| USB 2.0 Essential Memory Key 4GB USB 2.0 Essential Memory Key 8GB | 45J7904 ann 06/24/08 45J7905 ann 07/15/08 | More information at www.lenovopowertips | |
| USB 2.0 Essential Memorý Keý 32GB USB 2.0 Ultra Secure Memory Key 1GB | 45K1258 ann 10/28/08 45J5915 ann 08/26/08 | Carrying Cases Up to 15.4" widescreen models: | |
| USB 2.0 Ultra Secure Memory Key 2GB USB 2.0 Ultra Secure Memory Key 4GB USB 2.0 Ultra Secure Memory Key 8GB | 45J5916 ann 08/26/08 45J5917 ann 08/26/08 45J5918 ann 08/26/08 | ThinkPad 15W Case Sleeve Lenovo Business Messenger Case Lenovo Messenger Max | 51J0477 ann 08/18/09 51J0475 ann 08/18/09 41U5253 ann 05/01/07 |
| USB 2.0 Portable 320GB Hard Disk USB 2.0 Portable 500GB Hard Disk | 45K1689 ann 03/17/09 45K1690 ann 05/26/09 | Lenovo Performance BackPack Checkpoint Friendly Business Topload Case | 41U5254 ann 05/01/07 |
| USB 2.0 Portable Secure 160GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk | 43R2018 ann 11/18/08 43R2019 ann 11/18/08 | ThinkPad Business Topload Case ThinkPad Business Backpack | 43R2476 ann 05/13/08 43R2482 ann 05/13/08 |
| eSATA/USB 2.0 Secure 500GB Hard Drive USB 2.0 Super Multi-Burner Drive USB 2.0 Portable DVD Burner | 57Y4400 ann 01/07/10 41N5565 ann 01/23/07 43N3264 ann 01/05/10 | ThinkPad Deluxe Expander Case ThinkPad Executive Leather Case Lenovo luxury cases at www.lenovoluxury | 43R2478 ann 05/13/08 43R2480 ann 05/13/08 |
| Wireless WAN (Mini PCI Express) | | Monitors | cuses.com |
| Only WWAN upgradable models: Verizon® WWAN UNDP Broadband Mini PCIe AT&T® WWAN HSPA Broadband Mini PCIe | 43R9151 ann 08/05/08 43R9152 ann 08/26/08 | ThinkVision® L1711p 17" Monitor ThinkVision L1900p 19" Monitor ThinkVision L1951p Wide 19" Monitor | 5047HB2 ann 10/20/09 4431HE1 ann 11/11/08 2448HB6 ann 10/20/09 |
| ThinkPad Expansion | 45 10000 05/40/00 | ThinkVision L2250p Wide 22" Monitor ThinkVision L2251p Wide 22" Monitor | 2572HB6 ann 10/20/09 2572HD6 ann 10/20/09 |
| Lenovo® Essential Notebook Stand USB Port Replicator with Digital Video ThinkPad Advanced Mini Dock | 45J9292 ann 05/12/09 45K1610 ann 07/28/09 250410U ann 09/20/05 | ThinkVision L2251x Wide 22" Monitor ThinkVision L2440p Wide 24" Monitor | 2578HB6 ann 10/20/09 4420HB2 ann 09/17/08 |
| Keyboard TrackPoint Cap Collection | 73P2698 <i>ann 12/16/03</i> | Monitor Accessories ⁴⁶ Lenovo USB-to-DVI Monitor Adapter | 45K5296 ann 05/12/09 |
| USB Numeric Keypad Preferred Pro USB Keyboard | 33L3225 ann 05/01/00 73P5220 ann 06/21/05 | Lenovo DisplayPort to VGA Monitor Cable DisplayPort to Single-link DVI-D Cable Thigh Vision LISP Sayadhar | 57Y4393 ann 08/04/09 45J7915 ann 08/05/08 |
| Enhanced Performance USB Keyboard Ultraslim Wireless Keyboard and Mouse ⁵² | 73P2620 ann 03/23/04 57Y4700 ann 09/15/09 | ThinkVision USB Soundbar ThinkVision Soundbar Konsington MisroSover Cable Lock | 40Y7616 ann 08/23/05 45K1263 ann 09/16/08 73P2582 ann 12/29/03 |
| 52 Wireless via 2.4GHz technology using a mi ThinkPad USB Keyboard with TrackPoint | icro-size USB receiver. 55Y9003 ann 08/18/09 | Kensington MicroSaver Cable Lock Kensington Twin Head Cable Lock Lenovo Easy Reach Monitor Stand | 45K1620 ann 09/30/08 55Y9258 ann 09/22/09 |
| Lenovo® USB Fingerprint Keyboard Lenovo USB Smartcard Keyboard | 73P4730 ann 02/22/05 51J0155 ann 03/24/09 | Radial Arm 46 Compatible on selected Lenovo and Thin | 19K4464 <i>ann 05/05/00</i> |
| Mouse | FF\/0000 are 05/40/00 | More information at www.lenovo.com/supp | |
| Lenovo Mini Optical Mouse - Black (USB) Lenovo Mini Optical Mouse - White (USB) Lenovo Optical Mouse (USB) Lenovo Laser Mouse (USB) | 55Y9308 ann 05/19/09 55Y9309 ann 05/19/09 06P4069 ann 05/21/03 41U3074 ann 01/23/07 | More infoFor more information on ThinkPad www.lenovo.com/support/accessories www.lenovo.com/support/notebookacces | |
| ThinkPad USB Laser Mouse Lenovo ScrollPoint® Mouse (USB, Optical) | 57Y4635 ann 12/15/09 31P7405 ann 08/27/02 | www.lenovo.com/support/security | |
| ThinkPad Travel Mouse (USB, Optical) ThinkPad Bluetooth Laser Mouse | 31P7410 ann 06/04/02 41U5008 ann 01/22/08 | More infoOther accessories at www.lenovo Accessories Guide pdf at www.lenovo.com/ | |
| | | | |



Lenovo® ThinkPad T510



Lenovo ThinkPad T510



ThinkPad Mini Dock Plus Series 3 433810U



ThinkPad Battery 27++ (9-cell, slice) 57Y4545



Lenovo ThinkPad T510



Lenovo ThinkPad T510

| _ | Max urbo GHz) Memory | Wide- screen display Camera | Disk SATA GB [®] rpm | SATA optical | PCIe Mini Card M 802.11 | PCIe /lini Card WWAN | Finger print reader | | Bat- tery I cells v | ntel /Pro Prelo | Avail ad date |
|-------------------------|----------------------------|-----------------------------------|-------------------------------------|-----------------|-------------------------------|----------------------------|---------------------------|------|---------------------------|--------------------|------------------|
| 4313-28U i5-520M 2.40 2 | 2.93 2GB 1 | 5.6" HD 2.0M | 250G 5400 | DVD+RW | 11b/a/n | None | None | None | 6 | No Pro | 32 Jan 10 |

• This small and medium business (SMB) model is part of the US TopSeller™ Program

| Positioning Processor | Premiere performance; two spindles Intel® Core™ i5 processor i5-520M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology; 3MB cache | Preloaded operating system ²⁰ - Genuine Windows [®] 7 Professional 32 Preloaded applications ¹⁴ (only some |
|---|--|---|
| Memory | 2GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Non-italics:</i> standard memory in one socket; one socket available | isted) ■ Rescue and Recovery™ ■ Access Connections™ |
| SATA DVD±RW Ultrabay Enhancd SATA disk | DVD burner, SATA 1.5Gb/s, 12.7mm Ultrabay Enhanced, removable One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access 250GB ⁸ (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports second disk, ThinkPad Shock Mounted Hard Drive, Active Protection System™ | Password Manager ThinkVantage System Update ThinkVantage Power Manager ThinkVantage Toolbox Adobe® Reader® |
| Widescreen display Camera | 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 2.0-megapixel, fixed focus | Adobe Flash® Player Roxio® Creator® Business Edition (DVD±RW) Roxio MyDVD® (DVD±RW) |
| Integrated graphics | Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); supports dual independent display; Maximum external resolution: 2560x1600 (DisplayPort)@60Hz; | Corel® WinDVD® (DVD±RW) |
| | 2048x1536 (VGA) @ 75Hz; 1920x1200 @ 60Hz (single-link DVI-D via cable 45J7915) | Supports ThinkVantage® technologies |
| Keyboard TrackPoint® Touchpad ThinkLight™ | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keybrd, Tap Zones, scrolling regions label, multi-touch Illuminates the keyboard to improve visibility in low-light conditions | 65-watt AC adapter ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Gold rating |
| Dimensions ³ Weight ² Case material Battery - type Battery - life ¹⁰ | 15.6W" (WxDxH): 14.68" x 9.65" x 1.26-1.41"; 372.8mm x 245.1mm x 32-35.8mm 6-cell: starting at 5.66 lb (2.57kg); 9-cell: starting at 6.01 lb (2.72kg) Display cover: Glass-fiber reinforced plastic; Base: Carbon-fiber reinforced plastic Lithium Ion 6-cell, supports optional Slice battery (57Y4545) as 2nd battery at bottom 6-cell: up to 6.2 hr; 9-cell: up to 10.4 hr; 9-cell plus Slice battery: up to 20.8 hr | ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 |
| Chipset ExpressCard/34 Smart Card read Multicard reader Ports | Mobile Intel QM57 Express Chipset One slot (ExpressCard/34) None 5-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC) Four USB 2.0 (one powered), external monitor (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) | ThinkPlus™.22 1-year LOR24 9x5 NBD 45K5968 ThinkPlus 2-year LOR 9x5 NBD 45K5969 ThinkPlus 3-year LOR 9x5 NBD 45K5970 |
| PCIe Mini Card 11b/g/n WWAN upg Modem Bluetooth™ | Two PCI Express Mini Card slots 11b/g/n wireless ⁴ , ThinkPad 11b/g/n, PCIe Half Mini Card None 56K V.92 ⁶ modem None | ThinkPlus 4-year LOR 9x5 NBD 45K5973 ThinkPlus 5-year LOR 9x5 NBD 45K5975 ThinkPlus 2-year P&L P/U Depot |
| Ethernet Intel AMT Audio support | Intel 82577LC Gigabit Network Connection (Hanksville), PHY, PCIe x1 Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / speaker volume up, down and mute buttons / dual array microphone, mic mute button, | 45K5971 ThinkPlus 3-year P&L P/U Depot 45K5972 ThinkPlus 4-year P&L P/U Depot 45K5974 |
| Security Security chip Fingerprint reader | combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant None | ThinkPlus 5-year P&L P/U Depot 45K5976 Post-warranty annual maintenance agreements at |
| Limited warranty ¹² | 1-year - depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty |
| | | |

| Type-model | Processor | | Max turbo (GHz) | | Wide- screen display | Camera | Disk SATA GB [®] rpm | PCle Mini Card 802.11 | PCle Mini Card WWAN | Carrier | | Blue- | Bat- tery Intel cells vPro | Preload | Avail date |
|------------|-----------|------|-----------------------|-----|----------------------------|--------|-------------------------------------|-----------------------------|---------------------------|--------------------|--------|-------|----------------------------------|---------|---------------|
| 4314-2LU | i5-540M | 2.53 | 3.06 | 3GB | 15.6" HD | 2.0M | 320G 7200 | Intel 6200 ²⁸ | Gobi 2000 | AT&T ²³ | Finger | Blue | 6 vPro | XP Pro | Jan 10 |
| 4314-2KU | i5-520M | 2.40 | 2.93 | 2GB | 15.6" HD | 2.0M | 320G 7200 | Intel 1000 | WWAN upg | | | Blue | 6 | XP Pro | Jan 10 |
| เ 4314-7NU | i5-520M | 2.40 | 2.93 | 2GB | 15.6" HD | 2.0M | 320G 7200 | Intel 6200 | WWAN upg | | Finger | Blue | 6 vPro | XP Pro | Mar 10 |

- These small and medium business (SMB) models are part of the US TopSeller™ Program These models have a depot repair service 3-year limited warranty

| Positioning Processor | Premiere performance; two spindles Intel® Core™ i5 processor i5-520M or i5-540M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology; 3MB cache | Preloaded operating system ²⁰ - Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 |
|---|---|--|
| Memory | 2GB or 3GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; <i>Non-italics:</i> standard memory in one socket; one socket available | Professional 32 Preloaded applications¹⁴ (only some listed) • Rescue and Recovery™ |
| SATA DVD±RW Ultrabay Enhancd SATA disk | DVD burner, SATA 1.5Gb/s, 12.7mm Ultrabay Enhanced, removable One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access 320GB ⁸ (7200 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports second disk, ThinkPad Shock Mounted Hard Drive, Active Protection System™ | Access Connections[™] Client Security Solution[™] Fingerprint Software (fingerprint models) ThinkVantage System Update |
| Widescreen display Camera | 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 2.0-megapixel, fixed focus | ThinkVantage Power Manager ThinkVantage Presentation Director ThinkVantage Productivity Center Lenovo System Toolbox |
| Integrated graphics | Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); supports dual independent display; Maximum external resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@75Hz; 1920x1200@60Hz (single-link DVI-D via cable 45J7915) | Lenovo Ónline Data Backup Norton™ Internet Security 2009 (30 days of virus definitions) Adobe® Reader® Adobe Flash® Player Windows Live™ Toolbar |
| Keyboard TrackPoint® Touchpad ThinkLight™ | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keybrd, Tap Zones, scrolling regions label, multi-touch Illuminates the keyboard to improve visibility in low-light conditions | Skype™ for Windows Microsoft® Office 2007 Trial (60-day) Roxio® Creator® Business Edition (DVD±RW) |
| Dimensions ³ Weight ² Case material Battery - type Battery - life ¹⁰ | 15.6W" (WxDxH): 14.68" x 9.65" x 1.26-1.41"; 372.8mm x 245.1mm x 32-35.8mm 6-cell: starting at 5.66 lb (2.57kg); 9-cell: starting at 6.01 lb (2.72kg) Display cover: Glass-fiber reinforced plastic; Base: Carbon-fiber reinforced plastic Lithium lon 6-cell, supports optional Slice battery (57Y4545) as 2nd battery at bottom 6-cell: up to 6.2 hr; 9-cell: up to 10.4 hr; 9-cell plus Slice battery: up to 20.8 hr | Roxio MyDVD® (DVD±RW) Corel® WinDVD® (DVD±RW) |
| Chipset ExpressCard/34 Smart Card read | Mobile Intel QM57 Express Chipset One slot (ExpressCard/34) None | |
| Multicard reader Ports | For the Four USB 2.0 (one powered), external monitor (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) | Supports ThinkVantage® technologies 65-watt AC adapter ThinkPad Roll Cage (one-piece magnesium frame) |
| PCIe Mini Card Intel 1000 Intel 6200 ²⁸ WWAN upg Gobi™ 2000 Carrier | Two PCI Express Mini Card slots Some: 11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 Some: 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino Advanced-N 6200, 2x2 Some: Wireless WAN upgradable Some: Wireless WAN, Qualcomm chipset, PCIe Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, contract required with service provider Some: AT&T®, contract required with service provider | EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support during the warranty period¹2 via 800-426-7378 |
| Modem Bluetooth™ Ethernet | 56K V.92 ⁶ modem Bluetooth 2.1 wireless, LED indicator Non-vPro model: Intel 82577LC Gigabit Network Connection (Hanksville), PHY, PCIe x1 vPro model: Intel 82577LM Gigabit Network Connection (Hanksville), PHY, PCIe x1 | ThinkPlus™.22 3-year LOR24 9x5 NBD 45K6021 ThinkPlus 4-year LOR 9x5 NBD |
| Intel AMT Audio support | Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / speaker volume up, down and mute buttons / dual array microphone, mic mute button, combo audio/mic jack | 45K6022 ThinkPlus 5-year LOR 9x5 NBD 45K6024 ThinkPlus 4-year P&L P/U Depot |
| Security Security chip Fingerprint reader | Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant Some: UPEK Fingerprint reader on palm rest, swipe sensor, LED indicator, | 45K6023 ThinkPlus 5-year P&L P/U Depot 45K6025 Post-warranty annual maintenance |
| Limited warranty ¹² | Power On Authentication, supports the security chip 3-years/1-yr - battery depot repair service / service upgrades ²² available | agreements at lenovo.com/thinkplus/warranty |
| 0 () () | | |

| Type-model | Processor | Base (GHz) | | | Wide- screen display | Camera | Disk SATA GB ⁸ rpm | SATA optical | PCle Mini Card 802.11 | PCIe Mini Card WWAN | Finger print reader | | Intel vPro | Preload | Avail date |
|------------|-----------|---------------|------|-----|----------------------------|--------|-------------------------------------|--------------|-----------------------------|---------------------------|---------------------------|------|---------------|---------|---------------|
| 4314-36U | i5-520M | 2.40 | 2.93 | 2GB | 15.6" HD | 2.0M | 320G 720 | 0 DVD±RW | WiMAX | WWAN upg | Finger | Blue | vPro | Pro 32 | Jan 10 |
| 4314-2JU | i5-520M | 2.40 | 2.93 | 2GB | 15.6" HD | 2.0M | 250G 540 | 0 DVD±RW | 11b/g/n | WWAN upg | _ | Blue | | Pro 32 | Jan 10 |

- These small and medium business (SMB) models are part of the US TopSeller™ Program
 These models have a depot repair service 3-year limited warranty

| Positioning Processor | Premiere performance; two spindles Intel® Core™ i5 processor i5-520M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology; 3MB cache | Preloaded operating system ²⁰ - Genuine Windows [®] 7 Professional 32 Preloaded applications ¹⁴ (only some |
|---|---|---|
| Memory | 2GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Non-italics:</i> standard memory in one socket; one socket available | isted) ■ Rescue and Recovery™ ■ Access Connections™ |
| SATA DVD±RW Ultrabay Enhancd SATA disk | DVD burner, SATA 1.5Gb/s, 12.7mm Ultrabay Enhanced, removable One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access 250GB ⁸ (5400 rpm) or 320GB (7200 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports second disk, ThinkPad Shock Mounted Hard Drive, Active Protection System™ | Password Manager Fingerprint Software (fingerprint models) ThinkVantage System Update ThinkVantage Power Manager |
| Widescreen display Camera | 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 2.0-megapixel, fixed focus | ThinkVantage Toolbox Lenovo Online Data Backup Norton™ Internet Security 2009 (30 days of virus definitions) |
| Integrated graphics | Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); supports dual independent display; Maximum external resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@75Hz; 1920x1200@60Hz (single-link DVI-D via cable 45J7915) | Adobe® Reader® Adobe Flash® Player Windows Live™ Toolbar Skype™ for Windows Microsoft® Office 2007 Trial (60-day) Microsoft Research AutoCollage |
| Keyboard TrackPoint® Touchpad ThinkLight™ | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keybrd, Tap Zones, scrolling regions label, multi-touch Illuminates the keyboard to improve visibility in low-light conditions | Touch Roxio® Creator® Business Edition (DVD±RW) Roxio MyDVD® (DVD±RW) |
| Dimensions ³ Weight ² Case material Battery - type Battery - life ¹⁰ | 15.6W" (WxDxH): 14.68" x 9.65" x 1.26-1.41"; 372.8mm x 245.1mm x 32-35.8mm 6-cell: starting at 5.66 lb (2.57kg); 9-cell: starting at 6.01 lb (2.72kg) Display cover: Glass-fiber reinforced plastic; Base: Carbon-fiber reinforced plastic Lithium Ion 6-cell, supports optional Slice battery (57Y4545) as 2nd battery at bottom 6-cell: up to 6.2 hr; 9-cell: up to 10.4 hr; 9-cell plus Slice battery: up to 20.8 hr | Corel® WinDVD® (DVD±RW) |
| Chipset ExpressCard/34 | Mobile Intel QM57 Express Chipset One slot (ExpressCard/34) | Supports ThinkVantage® technologies |
| Smart Card read Multicard reader Ports | None 5-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC) Four USB 2.0 (one powered), external monitor (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) | 65-watt AC adapter ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Gold rating ENERGY STAR® 5.0-compliant |
| PCIe Mini Card 11b/g/n WiMAX WWAN upg | Two PCI Express Mini Card slots Some: 11b/g/n wireless ⁴ , ThinkPad 11b/g/n, PCIe Half Mini Card Some: 11a/b/g/n and WiMAX wireless, PCIe Half Mini Card, Intel Centrino® Advanced-N + WiMAX 6250, 2x2 AGN + 1x2 WiMAX Wireless WAN upgradable | RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 |
| Modem Bluetooth™ | 56K V.92 ⁶ modem Bluetooth 2.1 wireless, LED indicator | ThinkPlus™.22 3-year LOR24 9x5 NBD |
| Ethernet | Non-vPro model: Intel 82577LC Gigabit Network Connection (Hanksville), PHY, PCIe x1 vPro model: Intel 82577LM Gigabit Network Connection (Hanksville), PHY, PCIe x1 | 45K6021 ThinkPlus 4-year LOR 9x5 NBD 45K6022 |
| Intel AMT Audio support | Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / speaker volume up, down and mute buttons / dual array microphone, mic mute button, combo audio/mic iack | ThinkPlus 5-year LOR 9x5 NBD 45K6024 ThinkPlus 4-year P&L P/U Depot |
| Security Security chip Fingerprint reader | Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant Some: UPEK Fingerprint reader on palm rest, swipe sensor, LED indicator, | 45K6023 ThinkPlus 5-year P&L P/U Depot 45K6025 |
| | Power On Authentication, supports the security chip | Post-warranty annual maintenance agreements at |
| Limited warranty ¹² | 3-years/1-yr - battery depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty |

| Base Type-model Processor (GHz) | Max turbo (GHz) Memor | Wide- screen y display Cam | Disk SATA era GB [®] rpm | SATA optical | PCIe Mini Card 802.11 | PCle Mini Card WWAN | | | Bat- tery Inte cells vPr | | Avail d date |
|------------------------------------|-----------------------------|----------------------------------|---|--------------|-----------------------------|---------------------------|------|------|--------------------------------|--------|-----------------|
| 4313-29U i5-520M 2.40 | 2.93 2GB | 15.6" HD 2.0 | M 320G 7200 | DVD+RW | 11b/a/n | None | None | Blue | 9 No | Pro 32 | Feb 10 |

• This small and medium business (SMB) model is part of the US TopSeller™ Program

| Positioning Processor | Premiere performance; two spindles Intel® Core™ i5 processor i5-520M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology; 3MB cache | Preloaded operating system ²⁰ - Genuine Windows [®] 7 Professional 32 Preloaded applications ¹⁴ (only some |
|--|---|---|
| Memory | 2GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Non-italics:</i> standard memory in one socket; one socket available | isted) ■ Rescue and Recovery™ ■ Access Connections™ |
| SATA DVD±RW Ultrabay Enhancd SATA disk | DVD burner, SATA 1.5Gb/s, 12.7mm Ultrabay Enhanced, removable One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access 320GB ⁸ (7200 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports second disk, ThinkPad Shock Mounted Hard Drive, Active Protection System™ | Password Manager ThinkVantage System Update ThinkVantage Power Manager ThinkVantage Toolbox Adobe® Reader® |
| Widescreen display Camera | 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 2.0-megapixel, fixed focus | Skype™ for Windows Roxio® Creator® Business Edition (DVD±RW) Roxio MyDVD® (DVD±RW) |
| Discrete graphics | NVIDIA® Quadro® NVS3100M, PCI Express® x16, 512MB memory, external analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); supports dual independent display; | Corel® WinDVD® (DVD±RW) |
| | Maximum external resolution: 2560x1600 (DisplayPort) @ 60Hz; 2048x1536 (VGA) @ 85Hz; 1920x1200 @ 60Hz (single-link DVI-D via cable 45J7915) | Supports ThinkVantage® technologies |
| Keyboard TrackPoint® Touchpad ThinkLight™ | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keybrd, Tap Zones, scrolling regions label, multi-touch Illuminates the keyboard to improve visibility in low-light conditions | 90-watt AC adapter ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Gold rating |
| Dimensions ³ Weight ² Case material Battery - type Battery - life ¹⁰ | 15.6W" (WxDxH): 14.68" x 9.65" x 1.26-1.41"; 372.8mm x 245.1mm x 32-35.8mm 6-cell: starting at 5.66 lb (2.57kg); 9-cell: starting at 6.01 lb (2.72kg) Display cover: Glass-fiber reinforced plastic; Base: Carbon-fiber reinforced plastic Lithium lon 9-cell, supports optional Slice battery (57Y4545) as 2nd battery at bottom 6-cell: up to 4.7 hr; 9-cell: up to 7.8 hr; 9-cell plus Slice battery: up to 15.6 hr | ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 |
| Chipset ExpressCard/34 Smart Card read Multicard reader Ports | Mobile Intel QM57 Express Chipset One slot (ExpressCard/34) None 5-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC) Three USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) | ThinkPlus™.22 1-year LOR24 9x5 NBD 45K5968 ThinkPlus 2-year LOR 9x5 NBD 45K5969 ThinkPlus 3-year LOR 9x5 NBD 45K5970 |
| PCIe Mini Card 11b/g/n WWAN upg Modem Bluetooth™ Ethernet Intel AMT Audio support | Two PCI Express Mini Card slots 11b/g/n wireless ⁴ , ThinkPad 11b/g/n, PCIe Half Mini Card None 56K V.92 ⁶ modem Bluetooth 2.1 wireless, LED indicator Intel 82577LC Gigabit Network Connection (Hanksville), PHY, PCIe x1 Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / speaker volume up, down and mute buttons / dual array microphone, mic mute button, combo audio/mic jack | ThinkPlus 4-year LOR 9x5 NBD 45K5973 ThinkPlus 5-year LOR 9x5 NBD 45K5975 ThinkPlus 2-year P&L P/U Depot 45K5971 ThinkPlus 3-year P&L P/U Depot 45K5972 ThinkPlus 4-year P&L P/U Depot 45K5974 ThinkPlus 5-year P&L P/U Depot |
| Security Security chip Fingerprint reader | Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant None | 45K5976 Post-warranty annual maintenance agreements at |
| Limited warranty ¹² | 1-year - depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty |
| | | |

| | Type-model | Processor | Base (GHz) | | | Wide- screen display | Camera | Disk SATA GB [®] rpm | PCIe Mini Card 802.11 | PCIe Mini Card WWAN | Carrier | | Blue- tooth | | Preload | Avail date |
|----|------------|-----------|---------------|------|-----|----------------------------|--------|-------------------------------------|-----------------------------|---------------------------|-----------------------|--------|----------------|------|---------|---------------|
| | 4314-2NU | i5-520M | 2.40 | 2.93 | 2GB | 15.6" HD | 2.0M | 320G 7200 | Intel 6200 ²⁸ | Gobi 2000 | Verizon ¹⁶ | Finger | Blue | vPro | XP Pro | Feb 10 |
| rs | 4314-7PU | i5-520M | 2.40 | 2.93 | 2GB | 15.6" HD+ | 2.0M | 320G 7200 | Intel 6200 | WWAN upg | | • | Blue | vPro | XP Pro | Mar 10 |

- These small and medium business (SMB) models are part of the US TopSeller™ Program
- These models have a depot repair service 3-year limited warranty

| Positioning Processor | Premiere performance; two spindles Intel® Core™ i5 processor i5-520M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology; 3MB cache | Preloaded operating system ²⁰ - Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 |
|---|--|---|
| Memory | 2GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Non-italics:</i> standard memory in one socket; one socket available | Professional 32 Preloaded applications ¹⁴ (only some listed) |
| SATA DVD±RW Ultrabay Enhance SATA disk | DVD burner, SATA 1.5Gb/s, 12.7mm Ultrabay Enhanced, removable One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access 320GB ⁸ (7200 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports second disk, ThinkPad Shock Mounted Hard Drive, Active Protection System™ | Rescue and Recovery™ Access Connections™ Client Security Solution™ Fingerprint Software (fingerprint models) |
| Widescreen display | Some: 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.6" (396mm) HD+ (1600x900) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio | ThinkVantage System Update ThinkVantage Power Manager ThinkVantage Presentation Director ThinkVantage Productivity Center Lenovo System Toolbox |
| Camera | Camera on top of screen, 2.0-megapixel, fixed focus | Lenovo Online Data Backup |
| Discrete graphics | NVIDIA® Quadro® NVS3100M, PCI Express® x16, 512MB memory, external analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); supports dual independent display; Maximum external resolution: 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@85Hz; 1920x1200@60Hz (single-link DVI-D via cable 45J7915) | Norton™ Internet Security 2009 (30 days of virus definitions) Adobe® Reader® Adobe Flash® Player Windows Live™ Toolbar Skype™ for Windows |
| Keyboard TrackPoint® Touchpad ThinkLight™ | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keybrd, Tap Zones, scrolling regions label, multi-touch Illuminates the keyboard to improve visibility in low-light conditions | Microsoft® Office 2007 Trial (60-day) Roxio® Creator® Business Edition (DVD±RW) Roxio MyDVD® (DVD±RW) Corel® WinDVD® (DVD±RW) |
| Dimensions ³ Weight ² Case material Battery - type Battery - life ¹⁰ | 15.6W" (WxDxH): 14.68" x 9.65" x 1.26-1.41"; 372.8mm x 245.1mm x 32-35.8mm 6-cell: starting at 5.66 lb (2.57kg); 9-cell: starting at 6.01 lb (2.72kg) Display cover: Glass-fiber reinforced plastic; Base: Carbon-fiber reinforced plastic Lithium lon 9-cell, supports optional Slice battery (57Y4545) as 2nd battery at bottom 6-cell: up to 4.7 hr; 9-cell: up to 7.8 hr; 9-cell plus Slice battery: up to 15.6 hr | Golei William (BADTIM) |
| Chipset | Mobile Intel QM57 Express Chipset | Supports ThinkVantage® technologies |
| ExpressCard/34 Smart Card read Multicard reader Ports | One slot (ExpressCard/34) None 5-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC) Three USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) | 90-watt AC adapter ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Gold rating ENERGY STAR® 5.0-compliant |
| PCIe Mini Card Intel 6200 ²⁸ WWAN upg Gobi™ 2000 | Two PCI Express Mini Card slots 11a/b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Advanced-N 6200, 2x2 Some: Wireless WAN upgradable Some: Wireless WAN, Qualcomm chipset, PCIe Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, contract required with service provider | RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 |
| Carrier Modem Bluetooth™ Ethernet Intel AMT | Some: Verizon®, contract required with service provider 56K V.92® modem Bluetooth 2.1 wireless, LED indicator Intel 82577LM Gigabit Network Connection (Hanksville), PHY, PCIe x1 | ThinkPlus™.22 3-year LOR24 9x5 NBD 45K6021 ThinkPlus 4-year LOR 9x5 NBD 45K6022 |
| Audio support | Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / speaker volume up, down and mute buttons / dual array microphone, mic mute button, | ThinkPlus 5-year LOR 9x5 NBD 45K6024 ThinkPlus 4-year P&L P/U Depot |
| Security Security chip Fingerprint reader | combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant r Some: UPEK Fingerprint reader on palm rest, swipe sensor, LED indicator, | 45K6023 ThinkPlus 5-year P&L P/U Depot 45K6025 Post-warranty annual maintenance |
| Limite al consume - E-40 | Power On Authentication, supports the security chip | agreements at |
| Limited warranty | ² 3-years /1-yr - battery depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty |

| Туј | e-model | Processor | | Max turbo (GHz) | | Wide- screen display | Disk SATA Camera GB [®] rpm | | SATA optical | PCle Mini Card 802.11 | PCIe Mini Card WWAN | Blue/ tery Intel Fing cells vPro | | | Avail date |
|-------------|---------|-----------|------|-----------------------|-----|----------------------------|--|-----------|-----------------|-----------------------------|---------------------------|-------------------------------------|--------|--------|---------------|
| 43 | 14-2MU | i5-520M | 2.40 | 2.93 | 2GB | 15.6" HD | 2.0M | 250G 5400 | DVD±RW | Intel 1000 | WWAN upg | | 9 | Pro 32 | Feb 10 |
| 43 | 14-2PU | i5-540M | 2.53 | 3.06 | 4GB | 15.6" HD+ | 2.0M | 500G 7200 | DVD ±RW | Intel 6200 ²⁸ | WWAN upg | Yes | 9 vPro | Pro 32 | Feb 10 |
| ☞ 43 | 14-7QU | i5-520M | 2.40 | 2.93 | 4GB | 15.6" HD+ | 2.0M | 320G 7200 | DVD ±RW | Intel 6200 | WWAN upg | Yes | 9 vPro | Pro 64 | Mar 10 |
| ☞ 43 | 14-7RU | i5-540M | 2.53 | 3.06 | 4GB | 15.6" HD+ | 2.0M | 128G SSD | DVD±RW | Intel 6200 | WWAN upg | Yes | 9 vPro | Pro 64 | Mar 10 |

- These small and medium business (SMB) models are part of the US TopSeller™ Program These models have a depot repair service 3-year limited warranty

| Positioning Processor | Premiere performance; two spindles Intel® Core™ i5 processor i5-520M or i5-540M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology; 3MB cache | Preloaded operating system ²⁰ - Some: Genuine Windows® 7 Professional 32 - Some: Genuine Windows 7 |
|---|---|--|
| Memory | 2GB or 4GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; <i>Non-italics:</i> standard memory in one socket; one socket available | Professional 64 Preloaded applications¹⁴ (only some listed) ■ Rescue and Recovery™ |
| SATA DVD±RW Ultrabay Enhancd SATA disk | DVD burner, SATA 1.5Gb/s, 12.7mm Ultrabay Enhanced, removable One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access Some: 128GB³ Solid State Drive (SSD) / SATA 3.0Gb/s, 1.8" wide, 8mm high Some: 250GB (5400 rpm), 320GB (7200 rpm), or 500GB (7200 rpm)/ SATA 3.0Gb/s, 2.5" wide, 9.5mm high, Active Protection System™ All: removable, upgradable, supports 2nd disk, Shock Mounted Hard Drive | Access Connections TM Password Manager Fingerprint Software (fingerprint models) ThinkVantage System Update ThinkVantage Power Manager |
| Widescreen display | Some: 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.6" (396mm) HD+ (1600x900) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 2.0-megapixel, fixed focus | ThinkVantage Toolbox Lenovo Online Data Backup Norton™ Internet Security 2009 (30 days of virus definitions) Adobe® Reader® |
| Discrete graphics | NVIDIA® Quadro® NVS3100M, PCI Express® x16, 512MB memory, external analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); supports dual independent display; Maximum external resolution: 2560x1600 (DisplayPort) @ 60Hz; 2048x1536 (VGA) @ 85Hz; 1920x1200 @ 60Hz (single-link DVI-D via cable 45J7915) | Adobe Flash® Player Windows Live™ Toolbar Skype™ for Windows Microsoft® Office 2007 Trial (60-day) Microsoft Research AutoCollage Touch Roxio® Creator® Business Edition |
| Keyboard TrackPoint® Touchpad ThinkLight™ | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keybrd, Tap Zones, scrolling regions label, multi-touch Illuminates the keyboard to improve visibility in low-light conditions | (DVD±RW) • Roxio MyDVD® (DVD±RW) • Corel® WinDVD® (DVD±RW) |
| Dimensions ³ Weight ² Case material Battery - type Battery - life ¹⁰ | 15.6W" (WxDxH): 14.68" x 9.65" x 1.26-1.41"; 372.8mm x 245.1mm x 32-35.8mm 6-cell: starting at 5.66 lb (2.57kg); 9-cell: starting at 6.01 lb (2.72kg) Display cover: Glass-fiber reinforced plastic; Base: Carbon-fiber reinforced plastic Lithium Ion 9-cell, supports optional Slice battery (57Y4545) as 2nd battery at bottom 6-cell: up to 4.7 hr; 9-cell: up to 7.8 hr; 9-cell plus Slice battery: up to 15.6 hr | |
| Chipset | Mobile Intel QM57 Express Chipset | Supports ThinkVantage® technologies |
| ExpressCard/34 Smart Card read Multicard reader Ports | One slot (ExpressCard/34) None 5-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC) Three USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) | 90-watt AC adapter ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant |
| PCIe Mini Card Intel 1000 Intel 6200 ²⁸ WWAN upg | Two PCI Express Mini Card slots Some: 11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 Some: 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino Advanced-N 6200, 2x2 Wireless WAN upgradable | International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 |
| Modem Bluetooth™ | 56K V.92 ⁶ modem Some: Bluetooth 2.1 wireless, LED indicator | ThinkPlus™.22 3-year LOR24 9x5 NBD |
| Ethernet | Non-vPro model: Intel 82577LC Gigabit Network Connection (Hanksville), PHY, PCle x1 vPro model: Intel 82577LM Gigabit Network Connection (Hanksville), PHY, PCle x1 | 45K6021 ThinkPlus 4-year LOR 9x5 NBD 45K6022 |
| Intel AMT Audio support | Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / | ThinkPlus 5-year LOR 9x5 NBD |
| cappoit | speaker volume up, down and mute buttons / dual array microphone, mic mute button, combo audio/mic jack | 45K6024 ThinkPlus 4-year P&L P/U Depot 45K6023 |
| Security Security chip | Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant | ThinkPlus 5-year P&L P/U Depot 45K6025 |
| | Some: UPEK Fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip | Post-warranty annual maintenance agreements at |
| Limited warranty ¹² | 3-years/1-yr - battery depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty |





Lenovo® ThinkPad W510



Lenovo ThinkPad W510



ThinkPad Mini Dock Plus Series 3 - Mobile WorkStation 433820U



ThinkPad 135W AC Adapter 55Y9317



Lenovo ThinkPad W510



Lenovo ThinkPad W510

| | Max | | Wide- | | Disk | | PCle | PCle | | | | |
|----------------------|-------------|--------------|-----------|--------|---------------------|------|--------------------------|-----------|-------|------|---------|--------|
| | Base turbo | | screen | | SATA | | Mini Card | Mini Card | Color | | | Avail |
| Type-model Processor | (GHz) (GHz) | Memory (MHz) | display | Camera | GB ⁸ rpm | RAID | 802.11 | WWAN | calib | vPro | Preload | date |
| 4319-4CU i7-720QM | 1.60 2.80 | 2GBx1 1066 | 15.6" HD+ | 2.0M | 320G 7200 | None | Intel 6300 ²⁸ | WWAN upg | None | vPro | XP Pro | Feb 10 |

This small and medium business (SMB) model is part of the US TopSeller™ Program
 Power-packed engineering with Open GL graphics and ISV certifications

| Positioning Processor | Mobile workstation; two spindles Intel® Core™ i7 processor i7-720QM with quad-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1333MHz), Intel Turbo Boost, Hyper-Threading technology; 6MB cache | Preloaded operating system ²⁰ - Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 |
|--|---|---|
| Memory | 2GB std / 16GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, four 204-pin SO-DIMM sockets | Professional 32 Preloaded applications ¹⁴ (only some |
| SATA DVD±RW Ultrabay Enhancd SATA disk | DVD burner, SATA 1.5Gb/s, 12.7mm Ultrabay Enhanced, removable One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access 320GB ⁸ (7200 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports second disk, Shock Mounted Hard Drive, Active Protection System™ | listed) • Rescue and Recovery™ • Access Connections™ • Password Manager • Fingerprint Software (fingerprint |
| Widescreen display Color calibration Camera | 15.6" (396mm) HD+ (1600x900) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio, 60% Gamut None Camera on top of screen, 2.0-megapixel, fixed focus | models) ThinkVantage System Update ThinkVantage Power Manager ThinkVantage Toolbox Norton™ Internet Security 2009 |
| Discrete graphics | NVIDIA® Quadro® FX880M, PCI Express® x16, 1GB memory, external analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); supports dual independent display; Maximum external resolution: 2560x1600 (DisplayPort) @60Hz; 2048x1536 (VGA) @85Hz; 1920x1200@60Hz (single-link DVI-D via cable 45J7915) | (30 days of virus definitions) • Adobe® Reader® • Adobe Flash® Player • Skype™ for Windows • Microsoft Research AutoCollage Touch |
| Keyboard TrackPoint® Touchpad ThinkLight™ | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keybrd, Tap Zones, scrolling regions label, multi-touch Illuminates the keyboard to improve visibility in low-light conditions | Roxio® Creator® Business Edition (DVD±RW) Roxio MyDVD® (DVD±RW) Corel® WinDVD® (DVD±RW) |
| Dimensions ³ Weight ² Case material Battery - type Battery - life ¹⁰ | 15.6W" (WxDxH): 14.68" x 9.65" x 1.26-1.41"; 372.8mm x 245.1mm x 32-35.8mm 6-cell: starting at 5.66 lb (2.57kg); 9-cell: starting at 6.01 lb (2.72kg) Display cover: Glass-fiber reinforced plastic; Base: Carbon-fiber reinforced plastic Lithium Ion 9-cell, supports optional Slice battery (57Y4545) as 2nd battery at bottom 6-cell: up to 3.0 hr; 9-cell: up to 5.1 hr; 9-cell plus slice battery: up to 10.5 hr | Supports ThinkVantage® technologies 135-watt AC adapter |
| Chipset ExpressCard/34 Smart Card Read Multicard Reader Ports | Mobile Intel QM57 Express Chipset One slot (ExpressCard/34) None 5-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC) Two USB 3.0, one Powered USB 2.0, one USB 2.0/eSATA combo port, external monitor (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) | ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹ 24 hour x 7 day¹8 toll-free support |
| PCIe Mini Card Intel 6300 ²⁸ WWAN upg Modem Bluetooth™ Ethernet Intel AMT Audio support Security Security chip | Two PCI Express Mini Card slots 11a/b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Ultimate-N 6300, 3x3 Wireless WAN upgradable 56K V.926 modem Bluetooth 2.1 wireless, LED indicator Intel 82577LM Gigabit Network Connection (Hanksville), PHY, PCIe x1 Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / speaker volume up, down and mute buttons / dual array microphone, mic mute button, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole | during the warranty period ¹² via 800-426-7378 ThinkPlus ^{TM, 22} 3-year LOR ²⁴ 9x5 NBD 41C9176 ThinkPlus 4-year LOR 9x5 NBD 41C9177 ThinkPlus 5-year LOR 9x5 NBD 41C9179 ThinkPlus 4-year P&L P/U Depot 41C9178 ThinkPlus 5-year P&L P/U Depot |
| Fingerprint reader | Trusted Platform Module, TCG 1.2-compliant UPEK Fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip | 41C9180 Post-warranty annual maintenance agreements at |
| Limited warranty | 3-years/1-yr battery - depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty |

| | Type-model | Processor | Base (GHz) | | Memory (MHz) | Wide- screen display | Multi- Touch Screen | Disk SATA GB [®] rpm | RAID | PCIe Mini Card 802.11 | PCIe Mini Card WWAN | Carrier | Color calib | Intel vPro | Preload | Avail date |
|----|------------|-----------|---------------|------|--------------|----------------------------|---------------------------|-------------------------------------|------|-----------------------------|---------------------------|--------------------|----------------|---------------|---------|---------------|
| | 4319-2NU | i7-720QM | 1.60 | 2.80 | 2GBx1 1066 | 15.6" HD+ | - | 320G 7200 | None | Intel 6300 ²⁸ | WWAN upg | | | vPro | Pro 32 | Jan 10 |
| | 4319-2PU | i7-720QM | 1.60 | 2.80 | 2GBx2 1066 | 15.6" FHD |) | 320G 7200 | None | Intel 6300 | WWAN upg | | | vPro | Pro 64 | Jan 10 |
| >< | 4319-2QU | i7-720QM | 1.60 | 2.80 | 2GBx2 1066 | 15.6" FHD |) | 320G 7200 | None | Intel 6300 | Gobi 2000 | | | vPro | Pro 64 | Jan 10 |
| | 4319-2RU | i7-820QM | 1.73 | 3.06 | 2GBx2 1066 | 15.6" FHD |) Multi | 320G 7200 | None | Intel 6300 | WWAN upg | | X-Rite | vPro | Pro 64 | Jan 10 |
| | 4319-4BU | i7-720QM | 1.60 | 2.80 | 2GBx2 1066 | 15.6" FHD |) | 320G 7200 | None | Intel 6300 | Gobi 2000 | AT&T ²³ | | vPro | Pro 64 | Feb 10 |
| 13 | 4319-4MU | i7-720QM | 1.60 | 2.80 | 2GBx2 1066 | 15.6" HD+ | - | 320G 7200 | None | Intel 6300 | Gobi 2000 | AT&T | | vPro | Pro 64 | Mar 10 |
| | | | | | and medium b | | | | | | er™ Program | , | | | | |

Power-packed engineering with Open GL graphics and ISV certifications

| Processor Molitic Core Processor Proc | | Power-packed engineering with Open GL graphics and ISV certifications | |
|--|---|--|--|
| dual-channel capable, four 204-pin SO-DIMM sockets SATA DVD-FRW DVD Durner, SATA 1,5Gbb, 2,5" Arm Ultrabay Enhanced, removable One bay for removable devices, Ultrabay Silm-compatible, 12.7mm high, bottom access SATA disk ACCESS Connections Widescreen display Widescreen display Widescreen display Some: 15.6" (396mm) HD+ (1600/900) color, anti-glare, LED backlight, 270 nits, 16.9 aspect ratio, 5001 contrast ratio, 69% Gamut 270 nits, 16.9 aspect ratio, 5001 contrast ratio, 69% Gamut 270 nits, 16.9 aspect ratio, 5001 contrast ratio, 69% Gamut 300m; 15.6" (396mm) HD+ (1600/900) color, anti-glare, LED backlight, 270 nits, 16.9 aspect ratio, 5001 contrast ratio, 69% Gamut 300m; 15.6" (396mm) HD+ (1600/900) color, anti-glare, LED backlight, 270 nits, 16.9 aspect ratio, 5001 contrast ratio, 59% Gamut 300m; 15.6" (396mm) HD+ (1920/1800) color, anti-glare, LED backlight, 242 nits, 16.9 aspect ratio, 5001 contrast ratio, 59% Gamut 300m; 15.6" (396mm) HD+ (1920/1800) color, anti-glare, LED backlight, 242 nits, 16.9 aspect ratio, 5001 contrast ratio, 59% Gamut 300m; 15.6" (396mm) HD+ (1920/1800) color, anti-glare, LED backlight, 242 nits, 16.9 aspect ratio, 5001 contrast ratio, 59% Gamut 300m; 15.6" (396mm) HD+ (1920/1800) color, anti-glare, LED backlight, 242 nits, 16.9 aspect ratio, 5001 contrast ratio, 59% Gamut 300m; 15.6" (396mm) HD+ (1920/1800) color, anti-glare, LED backlight, 242 nits, 16.9 aspect ratio, 5001 contrast ratio, 59% Gamut 300m; 15.6" (396mm) HD+ (1920/1800) color, anti-glare, LED backlight, 242 nits, 16.9 aspect ratio, 5001 contrast ratio, 59% Gamut 300m; 15.6" (396mm) HD+ (1920/1800) color, anti-glare, LED backlight, 300m; 15.6" (396mm) HD+ (1920/1800) color, anti-glare, LED backlight, 300m; 15.6" (396mm) HD+ (1920/1800) color, anti-glare, LED backlight, 300m; 15.6" (396mm) HD+ (1920/1800) color, anti-glare, LED backlight, 300m; 15.6" (396mm) HD+ (1920/1800) color, anti-glare, LED backlight, 300m; 15.6" (396mm) HD+ (1920/1800) color, anti-glare, LED backlight, 300m; 15.6" (396mm) HD+ (1920/180 | | Intel® Core™ i7 processor i7-720QM or i7-820QM with quad-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1333MHz), Intel Turbo Boost, Hyper-Threading technology; | - Some: Genuine Windows® 7 Professional 32 - Some: Genuine Windows 7 |
| SATA DVD-ENW Durner, SATA 1,5Gb/s, 12.7mm Ultraby Enhanced, removable None bay for removable devices, Ultrabay Simik-compatible, 12.7mm high, bottom access SATA disk Sacretary SATA 30GB* (7200 pm) / SATA 30GB* (7200 | Memory | | |
| ## 200 nits. 16 9 aspect ratio, 200 tontriast table, 50% Gamust 19th. ## 200 nits. 16 9 aspect ratio, 200 tontriast table, 50% Gamust 19th. ## 200 nits. 16 9 aspect ratio, 2001 contrast ratio, 95% Gamust 19th. ## 201 nits. 16 9 aspect ratio, 500-1 contrast ratio, 95% Gamust 19th. ## 201 nits. 16 9 aspect ratio, 500-1 contrast ratio, 95% Gamust 19th. ## 201 nits. 16 9 aspect ratio, 500-1 contrast ratio, 95% Gamust 19th. ## 201 nits. 16 9 aspect ratio, 500-1 contrast ratio, 95% Gamust 19th. ## 201 nits. 16 9 aspect ratio, 500-1 contrast ratio, 95% Gamust 19th. ## 201 nits. 16 9 aspect ratio, 500-1 contrast ratio, 95% Gamust 19th. ## 201 nits. 16 9 aspect ratio, 500-1 contrast ratio, 95% Gamust 19th. ## 201 nits. 16 9 aspect ratio, 500-1 contrast ratio, 95% Gamust 19th. ## 201 nits. 16 9 aspect ratio, 500-1 contrast ratio, 95% Gamust 19th. ## 201 nits. 16 9 aspect ratio, 500-1 contrast ratio, 95% Gamust 19th. ## 201 nits. 16 9 aspect ratio, 500-1 contrast ratio, 95% Gamust 19th. ## 201 nits. 16 9 aspect ratio, 500-1 contrast ratio, 95% Gamust 19th. ## 201 nits. 16 9 aspect ratio, 500-1 contrast ratio, 95% Gamust 19th. ## 201 nits. 16 9 aspect ratio, 500-1 contrast ratio, 95% Gamust 19th. ## 201 nits. 16 9 aspect ratio, 500-1 contrast ratio, 95% Gamust 19th. ## 201 nits. 16 9 aspect ratio, 500-1 contrast ratio, 95% Gamust 19th. ## 201 nits. 16 9 aspect ratio, 500-1 contrast ratio, 95% Gamust 19th. ## 201 nits. 16 9 aspect ratio, 500-1 contrast ratio, 95% Gamust 19th. ## 201 nits. 16 9 aspect ratio, 500-1 contrast ratio, 95% Gamust 19th. ## 201 nits. 16 9 aspect ratio, 500-1 contrast ratio, 95% Gamust 19th. ## 201 nits. 16 9 aspect ratio, 500-1 contrast ratio, 95% Gamust 19th. ## 201 nits. 16 9 aspect ratio, 500-1 contrast ratio, 95% Gamust 19th. ## 201 nits. 16 9 aspect ratio, 500-1 contrast ratio, 50% Gamust 19th. ## 201 nits. 16 9 aspect ratio, 500-1 contrast ratio, 50% Gamust 19th. ## 201 nits. 16 9 aspect ratio, 500-1 contrast ratio, 50% Gamust 19th. ## 201 nits. 16 9 aspect ratio, | Ultrabay Enhancd | One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access 320GB ⁸ (7200 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports second disk, | Rescue and Recovery™ Access Connections™ Password Manager Fingerprint Software (fingerprint models) |
| Some: Number PRO Colloring tell by A-Filter Color Calibration Sensor in paint less Camera on top of screen, 2.0-megapixel, fixed focus Discrete graphics WINDIA® Quadro® FX880M. PCI Express® x16, 1GB memory, external analog monitor support via UsplayPort (supports single-link DVI-D via cable 45J7915); supports dual independent display; Maximum external resolution: 2560x1600 (DisplayPort) @60Hz; Maximum external resolution: 2560x160 | display | 220 nits, 16:9 aspect ratio, 500:1 contrast ratio, 60% Gamut Some: 15.6" (396mm) FHD (1920x1080) color, anti-glare, LED backlight, 270 nits, 16:9 aspect ratio, 500:1 contrast ratio, 95% Gamut Some: 15.6" (396mm) FHD (1920x1080) color, anti-glare, LED backlight, 242 nits, 16:9 aspect ratio, 500:1 contrast ratio, 95% Gamut, MultiTouch (touchscreen supports two-finger touch) | ThinkVantage Power Manager ThinkVantage Toolbox Lenovo Online Data Backup Norton™ Internet Security 2009 (30 days of virus definitions) Adobe® Reader® |
| Discrete graphics graphics graphics graphics and analog monitor support via Usplay 14 via VGA DB-15 connector and external analog monitor support via UsplayPort (supports single-link DVI-D via cable 45J7915); supports dual independent display; Maximum external resolution: 2560x1600 (DisplayPort) @60Hz; Maximum external resolution: 2560x160 (DisplayPort) @60Hz; Maximum externa | _ | | Windows Live™ Toolbar |
| TrackPoint* TrackPoint* TrackPoint* TrackPoint* Pointing device, "Press-to-Select," Internet Scroll Bar¹s, magnifying glass UltraNav¹s, wide touchpad below keybrd, Tap Zones, scrolling regions label, multi-touch liluminates the keyboard to improve visibility in low-light conditions Dimensions | | external analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); supports dual independent display; Maximum external resolution: 2560x1600 (DisplayPort) @60Hz; | Microsoft® Office 2007 Trial (60-day) Microsoft Research AutoCollage Touch Roxio® Creator® Business Edition (DVD±RW) |
| FHD: 14.68" x 9.65" x 1.29-1.44"; 372.8mm x 245.1mm x 32.8-36.6mm | TrackPoint® Touchpad | TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keybrd, Tap Zones, scrolling regions label, multi-touch Illuminates the keyboard to improve visibility in low-light conditions | huey™PRO Monitor Color ´ Correction by Pantone®/X-Rite® |
| ExpressCard/34 Smart Card Read None Multicard Reader Ports Multicard Reader Ports Fin-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC) Two USB 3.0, one Powered USB 2.0, one USB 2.0/eSATA combo port, external monitor (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) PCIe Mini Card Intel 6300²²² WWAN upg Gobi™ 2000 Some: Wireless WAN upgradable Some: Wireless WAN, Qualcomm chipset, PCIe Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, contract required with service provider Some: AT&T®, contract required with service provider Some: AT&T®, contract required with service provider Some: Mireless, LED indicator Bluetooth™ Bluetooth 2.1 wireless, LED indicator Intel AMT Intel Active Management Technology (IAMT) Audio support Security Security chip Fingerprint reader Express Mini Card, Intel Centrino® Ultimate-N 6300, 3x3 Some: Wireless WAN, Qualcomm chipset, PCIe Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, contract required with service provider Some: AT&T®, contract required with service provider Some: Mireless, LED indicator Intel AMT Audio support High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / speaker volume up, down and mute buttons / dual array microphone, mic mute button, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant Fingerprint reader FininkPlus 4-year LOR 24 9x5 NBD High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / speaker volume up, down and mute buttons on password, security keyhole Trusted Platform Module, TCG 1.2-compliant FininkPlus 5-year P&L P/U Depot 41C9180 Post-warranty annual maintenance agreements at | (WxDxH) ³ Weight ² Case material Battery - type | FHD: 14.68" x 9.65" x 1.29-1.44"; 372.8mm x 245.1mm x 32.8-36.6mm FHD MultiTouch: 14.68" x 9.65" x 1.35-1.57"; 372.8mm x 245.1mm x 34.3-39.8mm 6-cell: starting at 5.66 lb (2.57kg); 9-cell: starting at 6.01 lb (2.72kg) Display cover: Glass-fiber reinforced plastic; Base: Carbon-fiber reinforced plastic Lithium Ion 9-cell, supports optional Slice battery (57Y4545) as 2nd battery at bottom | |
| Smart Card Read Multicard Reader Multicard Reader Ports Two USB 3.0, one Powered USB 2.0, one USB 2.0/eSATA combo port, external monitor (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), EEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) PCle Mini Card Intel 6300²² WWAN upg Gobi™ 2000 Some: Wireless WAN upgradable Some: Wireless WAN upgradable Some: Wireless WAN upgradable Some: Wireless WAN, Qualcomm chipset, PCle Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, contract required with service provider Modem Some: AT&T®, contract required with service provider Some: AT&T®, contract required with service provider | | | Supports ThinkVantage® technologies |
| Intel 630028 WWAN upg Gobi™ 2000 Some: Wireless WAN upgradable GPRS/WCDMA/HSPA, GPS, contract required with service provider Some: AT&T®, contract required with service provider Some: Mireless WAN, Qualcomm chipset, PCIe Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, contract required with service provider Some: Mireless WAN upgradable GPRS/WCDMA/HSPA, GPS, contract required with service provider Some: Wireless WAN, Qualcomm chipset, PCIe Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, contract required with service provider Some: Wireless WAN upgradable GPRS/WCDMA/HSPA, GPS, contract required with service provider Some: Wireless WAN upgradable GPRS/WCDMA/HSPA, GPS, contract required with service provider Some: Wireless WAN upgradable GPRS/WCDMA/HSPA, GPS, contract required with service provider Some: Wireless WAN upgradable GPRS/WCDMA/HSPA, GPS, contract required with service provider Some: Wireless WAN upgradable GPRS/WCDMA/HSPA, GPS, contract required with service provider Some: Wireless WAN upgradable GPRS/WCDMA/HSPA, GPS, contract required with service provider Some: Wireless WAN upgradable GPRS/WCDMA/HSPA, GPS, contract required with service provider Some: Wireless WAN upgradable GPRS/WCDMA/HSPA, GPS, contract required with service provider Some: Wireless WAN upgradable GPRS/WCDMA/HSPA, GPS, contract required with service provider High Some: Wireless WAN upgradable GPRS/WCDMA/HSPA, GPS, contract required with service provider High Some: Wireless WAN upgradable GPRS/WCDMA/HSPA, GPS, contract required with service provider High Some: Wireless WAN upgradable GPRS/WCDMA/HSPA, GPS, contract required with service provider High Some: Wireless WAN upgradable GPRS/WCDMA/HSPA, GPS, contract required with service provider High Some: Wireless WAN upgradable GPS/WCDMA/HSPA, GPS, contract required with service provider High Some: Wireless Wan upgradable GPS/WCDMA/HSPA, GPS, contract required with service provider High Some: Wireless Wan, Qualcomma in the warranty gave during the warranty gave during | Smart Card Read Multicard Reader | None 5-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC) Two USB 3.0, one Powered USB 2.0, one USB 2.0/eSATA combo port, external monitor (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), | ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Gold rating ENERGY STAR® 5.0-compliant |
| Modem Bluetooth™ Bluetooth 2.1 wireless, LED indicator Ethernet Intel 82577LM Gigabit Network Connection (Hanksville), PHY, PCle x1 Intel AMT Audio support High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / speaker volume up, down and mute buttons / dual array microphone, mic mute button, combo audio/mic jack Security Security Chip Fingerprint reader UPEK Fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip M1C9176 ThinkPlus 4-year LOR 9x5 NBD 41C9177 ThinkPlus 5-year LOR 9x5 NBD 41C9177 ThinkPlus 5-year LOR 9x5 NBD 41C9177 ThinkPlus 4-year P&L P/U Depot 41C9178 ThinkPlus 5-year LOR 9x5 NBD 41C9177 | Intel 6300 ²⁸ WWAN upg Gobi™ 2000 | 11a/b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Ultimate-N 6300, 3x3 Some: Wireless WAN upgradable Some: Wireless WAN, Qualcomm chipset, PCIe Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, contract required with service provider | International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² |
| Security Power-on password, hard disk password, supervisor password, security keyhole Security chip Trusted Platform Module, TCG 1.2-compliant Fingerprint reader UPEK Fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip ThinkPlus 5-year P&L P/U Depot 41C9180 Post-warranty annual maintenance agreements at | Modem Bluetooth™ Ethernet Intel AMT | 56K V.92 ⁶ modem Bluetooth 2.1 wireless, LED indicator Intel 82577LM Gigabit Network Connection (Hanksville), PHY, PCIe x1 Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / speaker volume up, down and mute buttons / dual array microphone, mic mute button, combo audio/mic jack | 41C9176 ThinkPlus 4-year LOR 9x5 NBD 41C9177 ThinkPlus 5-year LOR 9x5 NBD 41C9179 ThinkPlus 4-year P&L P/U Depot |
| agreements at | Security chip | Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant P | ThinkPlus 5-year P&L P/U Depot 41C9180 Post-warranty annual maintenance |
| | Limited warranty ¹² | | |

ThinkPad® T510, W510 Accessories

| Memory | | Multimedia | | | |
|--|---|--|--|--|--|
| 1GB PC3-8500 DDR3 L-H SODIMM (25Pack) | 55Y3706 ann 06/23/09 57Y4385 ann 06/23/09 | ThinkPad In-Ear Headphones | 57Y4488 ann 01/07/10 | | |
| 2GB PC3-8500 DDR3 L-H SODIMM (25Pack) 4GB PC3-8500 DDR3 Low-Halogen SODIMM | 55Y3707 ann 06/23/09 57Y4386 ann 06/23/09 55Y3708 ann 03/02/10 55Y4415 ann 03/02/10 | Security Kensington® MicroSaver® Cable Lock Kensington Twin Head Cable Lock USB Gemplus GemPC Smart Card Reader | 73P2582 ann 12/29/03 45K1620 ann 09/30/08 41N3040 ann 02/21/06 | | |
| 2GB PC3-10600 DDR3 L-H SODIMM (25Pack) 4GB PC3-10600 DDR3 L-H SODIMM (25Pack) 4GB PC3-10600 DDR3 L-H SODIMM | 55Y3710 ann 03/02/10 | Batteries ThinkPad Battery 55+ (6-cell) ThinkPad Battery 55++ (9-cell) ThinkPad Battery 27++ (9-cell, slice) ⁴³ | 57Y4185 ann 03/30/10 57Y4186 ann 03/30/10 57Y4545 ann 01/07/10 | | |
| Ultrabay Slim 9.5mm Serial ATA Hard Drive Bay Adapter III ⁴⁸ Ultrabay Enhanced 12.7mm | 43N3412 <i>ann 06/23/09</i> | ⁴³ To be used along with system battery for a attaches under ThinkPad using docking con (not supported when using Series 3 Port Re ThinkPad External Battery Charger | nector | | |
| DVD Burner Ultrabay Enhanced II SATA | 43N3294 ann 01/07/10 43N3295 ann 01/07/10 | More information at www.lenovo.com/allday | | | |
| 160GB Disk SATA 1.5Gb/s (7200 rpm) ⁴¹ 250GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ 250GB Disk FDE SATA 1.5Gb/s (7200 rpm) ⁴¹ 320GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ 320GB Disk SATA 1.5Gb/s (7200 rpm) ⁴¹ | 41N5692 ann 03/20/07 41N5737 ann 10/16/07 43R8152 ann 01/15/08 43N3410 ann 01/20/09 43N3403 ann 08/05/08 43N3411 ann 01/20/09 | T510: ThinkPad 65W AC Adapter ⁴⁵ ⁴⁵ Only compatible with the integrated graph ThinkPad 90W AC Adapter 90W Ultraslim AC/DC Combo Adapter W510: ThinkPad 135W AC Adapter | 40Y7696 ann 01/05/06 ics models. 40Y7659 ann 09/20/05 41R4493 ann 09/22/09 55Y9317 ann 01/07/10 | | |
| | 43N3420 ann 06/23/09 43N3423 ann 01/07/10 | More info at www.lenovo.com/support/pow Charging tips for 90W Ultraslim AC/DC Com | | | |
| with Serial ATA Hard Drive Bay Adapter III 43N | 43N3406 ann 08/26/08 | Palm device charge tip (L7) BlackBerry charge tip (L8a) iPod and iPhone Charge Tip (L10a) | 41R4315 ann 12/18/07 41R4478 ann 12/18/07 41R4481 ann 12/18/07 | | |
| USB 2.0 Essential Memory Key 4GB | 45J7904 ann 06/24/08 | More information at www.lenovopowertips. | com | | |
| USB 2.0 Essential Memory Key 32GB USB 2.0 Ultra Secure Memory Key 2GB USB 2.0 Ultra Secure Memory Key 4GB | 45J7905 ann 07/15/08 45K1258 ann 10/28/08 45J5916 ann 08/26/08 45J5917 ann 08/26/08 45J5918 ann 08/26/08 | Carrying Cases Up to 15.4" widescreen models: ThinkPad 15W Case Sleeve Lenovo Business Messenger Case Lenovo Messenger Max | 51J0477 ann 08/18/09 51J0475 ann 08/18/09 41U5253 ann 05/01/07 | | |
| USB 2.0 Portable 500GB Hard Disk USB 2.0 Portable Secure 160GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk | 45K1689 ann 03/17/09 45K1690 ann 05/26/09 43R2018 ann 11/18/08 43R2019 ann 11/18/08 57Y4400 ann 01/07/10 | Lenovo Performance BackPack ThinkPad Business Backpack Lenovo luxury cases at www.lenovoluxuryc Monitors | 41U5254 ann 05/01/07 43R2482 ann 05/13/08 rycases.com | | |
| | 41N5565 ann 01/23/07 43N3264 ann 01/05/10 | ThinkVision® L1711p 17" Monitor ThinkVision L1900p 19" Monitor ThinkVision L1951p Wide 19" Monitor | 5047HB2 ann 10/20/09 4431HE1 ann 11/11/08 2448HB6 ann 10/20/09 | | |
| Wireless WAN (Mini PCI Express) Only WWAN upgradable models: ThinkPad Gobi™ 2000 Broadband Option ThinkPad AT&T® Gobi 2000 Broadband Option | 78Y1399 ann 01/07/10 78Y1398 ann 01/07/10 | ThinkVision L2250p Wide 22" Monitor ThinkVision L2251p Wide 22" Monitor ThinkVision L2251x Wide 22" Monitor | 2572HB6 ann 10/20/09 2572HD6 ann 10/20/09 2578HB6 ann 10/20/09 | | |
| ThinkPad Expansion <i>T510:</i> | | Monitor Accessories ⁴⁶ Lenovo USB-to-DVI Monitor Adapter | 45K5296 ann 05/12/09 | | |
| ThinkPad Mini Dock Series 3 | 433610W ann 06/23/09 433710U ann 06/23/09 433810U ann 06/23/09 | Lenovo DisplayPort to VGA Monitor Cable DisplayPort to Single-link DVI-D Cable ThinkVision USB Soundbar ThinkVision Soundbar | 57Y4393 ann 08/04/09 45J7915 ann 08/05/08 40Y7616 ann 08/23/05 45K1263 ann 09/16/08 | | |
| USB Port Replicator with Digital Video ThinkPad Mini Dock Plus Series 3 - Mobile WS | 45J9292 ann 05/12/09 45K1610 ann 07/28/09 433820U ann 01/07/10 | Kensington MicroSaver Cable Lock Kensington Twin Head Cable Lock Lenovo Easy Reach Monitor Stand Radial Arm 46 Compatible on selected Lenovo and Think | 73P2582 ann 12/29/03 45K1620 ann 09/30/08 55Y9258 ann 09/22/09 19K4464 ann 05/05/00 Wision monitors. | | |
| USB Numeric Keypad Preferred Pro USB Keyboard Enhanced Performance USB Keyboard Ultraslim Wireless Keyboard and Mouse ⁵² ⁵² Wireless via 2.4GHz technology using a micr ThinkPad USB Keyboard with TrackPoint Lenovo® USB Fingerprint Keyboard | 73P2698 ann 12/16/03 33L3225 ann 05/01/00 73P5220 ann 06/21/05 73P2620 ann 03/23/04 57Y4700 ann 09/15/09 ro-size USB receiver. 55Y9003 ann 08/18/09 73P4730 ann 02/22/05 51J0155 ann 03/24/09 | More information at www.lenovo.com/supp | ort/monitoraccessories | | |
| Lenovo Mini Optical Mouse - White (USB) Lenovo Optical Mouse (USB) Lenovo Laser Mouse (USB) ThinkPad USB Laser Mouse Lenovo ScrollPoint® Mouse (USB, Optical) ThinkPad Travel Mouse (USB, Optical) | 55Y9308 ann 05/19/09 55Y9309 ann 05/19/09 06P4069 ann 05/21/03 41U3074 ann 01/23/07 57Y4635 ann 12/15/09 31P7405 ann 08/27/02 31P7410 ann 06/04/02 41U5008 ann 01/22/08 | For more information on ThinkPad accessories www.lenovo.com/support/accessories www.lenovo.com/support/notebookacces www.lenovo.com/support/security Other accessories at www.lenovo.com/acce Accessories Guide pdf at www.lenovo.com/accessories Gui | sories | | |





Lenovo® ThinkPad W700



Lenovo ThinkPad W700 with ThinkPad W700 Mini Dock 2.0 57Y4345



ThinkPad 170W AC Adapter 41R4421



ThinkPad Battery 37++ (9-cell) 45J7914



Lenovo ThinkPad W700



Lenovo ThinkPad W700

| Type-model | Proc- essor | GHz N | lemo | 5 | Wide- screen display | | Discrete graphics memory | SAT | À | SA ⁻ RAID opti | | Mini PCle 802.11 wireless | Mini PCI UWB or Turbo | Card | Color calib | Digitizer | Preloa | Avail d date | | |
|--|---|--|--|--|---|---|--|---|--|---|--|---|---|--|-------------------------------------|--|--------------------------|-----------------|--|--|
| 2758-28U 2758-4SU 2758-29U 2758-MPU 2758-MWU 2758-MXU | T9600 X9100 Q9000 P8700 T9900 | 2.80 3.06 2.00 2.53 3.06 | 4GB 4GB 4GB 3GB 4GB | 17" 17" 17" 17" 17" | WUXGA WUXGA WUXGA- WUXGA | A Cam A Cam A Cam - Cam A Cam | 512MB 1GB 512MB 512MB 512MB | 2x160G 2x250G 1x80G 1x320G 2x320G | 7200 5400 SSD 7200 7200 | DVD: 1 DVD: DVD: DVD: DVD: | ±RW ±RW ±RW ±RW ±RW | ♦ Intel 5300 ♦ Intel 5300 • US TopSelle | 2G Turb | o Smart Smart /54 /54 /54 | X-Rite | Wacom Wacom | Bus64 Bus64 XP Pro | Sep 08 | | |
| Positioning Processor | Intel® Core™ 2 Duo processor P8700 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache or Intel Core 2 Duo processor T9400, T9600 or T9900 with dual-core, Intel HD boost, 1066MHz system bus, and 6MB L2 cache or Intel Core 2 Quad processor Q9000 with quad-core, Intel HD boost, 1066MHz system bus, and 6MB L2 cache or Intel Core 2 Extreme processor X9100 with dual-core, Intel HD boost, 1066MHz system bus, and 6MB L2 cache | | | | | | | | | | | | Preloaded operating system - Some: Windows® XP Profes preinstalled through downgrade rights in Genuine Windows Vi Business - Some: Genuine Windows Vi Business 64 | | | | | | | |
| Memory | | 1GB, a dual-c Italics Non-it | 3GB hann alics: | or 4 lel ca st | GB std apable, andard andard | / 8GB r two 204 memor memor | max ⁷ / PC 4-pin SO- y in both y in one s | 3-8500 1 DIMM so sockets; socket; o | 1066M ockets no so ne soo | IHz DDR ; ckets ava cket avail | ailable lable | e; | | ♦ Vista models: Vista Premium logo Preloaded applications¹⁴ (only some listed) Rescue and Recovery[™] Access Connections[™] | | | | | | |
| SATA DVD± Ultrabay En SATA disks | hancd | One b Some Some | ay fo : On : On SA : Two SA | r rer e dis e dis TA 1 o dis TA 1 | novable sk, 80G l sk, 3200 .5Gb/s, sks, 160 .5Gb/s, | device 3° Solid 3B (720 2.5" wi GB (72 2.5" wi | s, Ultrabad State D 00 rpm) / de, 9.5m 00 rpm), de, 9.5m | ay Slim-c rive (SSI m high, A 250GB (m high, A | compa D) / SA Active (5400 Active | tible, 12. ATA 3.0G Protectic rpm) or 3 Protectic | 7mm b/s, 1 on Sy 320G on Sy | I.8 [™] wide, 8n stem™ B (7200 rpn | nm high | Client Security Solution™ ThinkVantage Productivity Center Fingerprint Software Lenovo System Toolbox ThinkPad Utilities (Power Manager and Presentation Director) Adobe® Reader® Roxio® Creator® Business Edition | | | | | | |
| Widescreen display Color calibra Camera | ation | Some Some | 200 200 217. 400 2 hue | 0" (4 0 nits 0" (4 0 nits ∋y™[| 431.8mr s, 16:10 431.8mr s, 16:10 PRO Co | n) WX(aspect n) WU aspect lorimet | GA+ (144 t ratio, 40 KGA (192 t ratio, 50 | 0x900) 0:1 contr 0:1 contr 0x1200) 0:1 contr Rite® colo | color, ast ra color ast ra r calib | anti-glard tio, 45% r, anti-gla tio, 72% | e, CC color are, C color | FL backligh gamut CCFL backlig | t, jht, | (DVD±RW) ■ Roxio MyDVD® (DVD±RW) ■ Corel® WinDVD® (DVD±RW) ■ huey™ PRO Monitor Color Correction by Pantone®/X-Rite® (color calibration models) | | | | | | |
| Discrete graphics | | Some | : NV | IDIA | \® Quad | ro® FX | 2700М , Р 700М , РС | PCI Expr | ess® x | | | | | _ | | ertificatio | | -1 | | |
| | | Мах е | xtern | al re | esolution | n: 2048 | x1536@8 | B5Hz (VC | A DB | -15 port) | ; 204 | 8x1536 (Dis | playPort) | | | «Vantage | | | | |
| Keyboard TrackPoint® Touch pad Numeric key Digitizer ThinkLight™ | ypad | TrackÉ UltraN 10-key Some | Point® lav™, / num : Wa | poil wid neric com | nting de le touch keypac n [®] digitiz | vice, "F pad be on rig er (128 | elow keyb ht side of x80mm) (| Select," In oard, Tap keyboar on palm r | nterne o Zone d est, di | et Scroll É es, scrolli gitizer pe | Bar ¹³ , ing re en, pe | magnifying egions label en holder in r onditions | | ThinkPad W700 Mini Dock 2.0 Provides desktop expansion and cat management for W700 Series Features: • Security key lock | | | | | | |
| Dimensions Weight ² Case mater Battery - typ Battery - life | ial oe | 9-cell: Top: | sta m n: Po n lon | artin agno olyca 9-c | ig at 8.4 esium a arbonate ell | lb (3.8 loy; | 12.2" x 1 kg) onitrile-Bu | | | | | | | Security cable lock slot External monitor ports Analog VGA DB-15 Dual-link DVI-D DisplayPort Four USB 2.0 ports SATA port Gigabit ethernet port Microphone in and headphone out S/PDIF (RCA coaxial digital out) Requires 170 watt AC adapter | | | | | | |
| Chipset ExpressCar | ·d/34 | ICH9N PCI E: One E | /I-Enl xpres xpres | nand ss 1. ssCa | ced I/O (1, PCI 2 ard/34 | Control 2.3, sec | urity chip | SATA 3.0 o, etherne | Gb/s, et MA0 | RAID 0 (C), LPC b | ór 1 s | support, USE | 3 2.0, | | | | | | | |
| ExpressCar Compact Fla Smart Card Multicard Re Ports | ash Read eader | None Some 7-in-1 Five U | : Sm read SB 2 | art (er (N | · Card Re MMC, M xternal r | ader emory nonitor ¹ | 1 (VGA D | em Stick B-15, dua | Pro, S al-link I | D, SDHO DVI-D, Di: | splay | , XD Type H Port), moden -2000 stand | n (RJ-11), | RoHS-o Internat 24 hour | SY STA compliational V x 7 da | R® 5.0-co int Varranty S y ¹⁸ toll-fre | Service ee supp | oort | | |
| Mini PCI Ex Intel 5300 2G Turbo UWB Modem | Turbo Some: Intel Turbo Memory, Mini PCIe adapter, 2GB flash, disk-cache accelerator None (uses Half-Mini PCIe slot) | | | | | | | | or | during the warranty period ¹² via 800-426-7378 ThinkPlus™. ²² 3-year LOR ²⁴ 9x5 NBI 41C9176 | | | | | | | | | | |
| Bluetooth™ Ethernet | | Bluetooth 2.1 wireless, LED indicator Non-vPro model: Intel 82567LF Gigabit Network Connection (Boazman), PHY, PCIe x1 vPro model: Intel 82567LM Gigabit Network Connection (Boazman), PHY, PCIe x1 Intel Active Management Technology (iAMT) | | | | | | | | PCle x1 PCle x1 | ThinkPlus 4-year LOR 9x5 NBD 41C9177 ThinkPlus 5-year LOR 9x5 NBD 41C9179 ThinkPlus 4-year P&L P/U Depot | | | | | | | | | |
| Intel AMT Audio suppo | ort | | | | | | | | | t / hone jack | | | | | | | | | | |
| Security Security chi Fingerprint i | p reader | Power Truste Finger | on p d Pla print | ass atform rea | word, ha m Modu der on p | ard disk le, integ alm res | c password grated in st, swipe | rd, super ICH9M, sensor, s | visor p TCG 1 suppor | cassword 1.2-comp ts the se | d, sec liant | curity keyhol | | Post-wa | rranty ents at | annual m | 41Ċ naintena | 9180 ance | | |
| Limited warı | ranty ¹² | 3-yeaı | r - de | pot | repair se | ervice / | service ι | ıpgrades | ²² avai | lable | | | | lend | vo.co | m /thinkpl | | | | |
| See footnote | s for im | portan | t warı | rantv | / informa | tion | 4 | Intel Cen | trino® 2 | 2 with vPr | o™ te | echnology | | | | | @ | Lenovo | | |





Lenovo® ThinkPad W700ds

Lenovo ThinkPad W700ds



Lenovo ThinkPad W700ds



ThinkPad 17W Business Topload Case 43R9117



Lenovo ThinkPad W700ds

| | | | Disk(s) | Mini PCle Mini PCle | Workhorse (W) |
|-----------------------------|---------|----------------|------------------------------|----------------------------------|------------------|
| Proc- | Primary | Secondary | SATA SATA | 802.11 UWB Card Blue/ Digit- | Global (G) Ávail |
| Type-model essor GHz Memory | display | display Camera | GB ⁸ RAID optical | wireless or Turbo slot Fing izer | Preload ` date |

≥ 2758-MMU Q9000 2.00 4GB 17" WUXGA 10.6" WXGA Cam 2x320GB 1 DVD±RW ❖Intel 5300²⁸ None /54 Yes Wacom Bus64 No Mar 09
□ 2758-MYU Q9000 2.00 4GB 17" WUXGA 10.6" WXGA Cam 2x320GB 1 DVD±RW ❖Intel 5300 None /54 Yes Wacom Bus64 No Oct 09

- ds = dual screen
- . 17" widescreen ThinkPad workstation with integrated color calibration and two RAID-capable disks
- · Select models include digitizer on palm rest

| Positioning Processor | Mobile workstation; three spindles Intel® Core™ 2 Quad processor Q9000 with quad-core, Intel HD boost, 1066MHz system bus, and 6MB L2 cache | Preloaded operating system ²⁰ - Genuine Windows® Vista® Business 64 | | | |
|---|--|--|--|--|--|
| Memory | 4GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; | ♦Vista Premium logo Preloaded applications ¹⁴ (only som listed) | | | |
| SATA DVD±RW Ultrabay Enhancd SATA disk | DVD burner, SATA 1.5Gb/s, 12.7mm Ultrabay Enhanced, removable One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high Two disks, 320GB ⁸ (7200 rpm) / SATA 1.5Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports third disk, ThinkPad Shock Mounted Hard Drive, Active Protection System™ | Rescue and Recovery™ Access Connections™ Client Security Solution™ ThinkVantage Productivity Center ThinkVantage System Update | | | |
| Displays Color calibration Camera | Primary: 17.0" (431.8mm) WUXGA (1920x1200) color, widescreen, anti-glare, CCFL backlight, 400 nits, 16:10 aspect ratio, 500:1 contrast ratio, 72% color gamut; Secondary: 10.6" (268.7mm) WXGA (768x1280) color, portrait, anti-glare, LED backlight, 230 nits, 9:15 aspect ratio, 190:1 contrast ratio, 45% color gamut, slides out of right side of top cover, 30° tilt, 40% of primary screen size huey™PRO Colorimeter by X-Rite® color calibration sensor in palm rest Camera on top of screen, 1.3-megapixel, fixed focus | Fingerprint Software (fingerprint models) Lenovo System Toolbox ThinkPad Utilities (Power Manager and Presentation Director) Adobe® Reader® Windows Live™ Toolbar Microsoft® Office 2007 Trial (60-day) Roxio® Creator® Business Edition | | | |
| Discrete | NVIDIA® Quadro® FX3700M, PCI Express® x16, 1GB memory; | (DVD±RW) | | | |
| graphics Keyboard TrackPoint® Touch pad | Max external resolution: 2048x1536@85Hz (VGA DB-15 port); 2048x1536 (DisplayPort) 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys, Windows and App keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label | Roxio MyDVD® (DVD±RW) Corel® WinDVD® (DVD±RW) huey™PRO Monitor Color Correction by Pantone®/X-Rite® | | | |
| Numeric keypad Digitizer | 10-key numeric keypad on right side of keyboard Wacom® digitizer (128x80mm) on palm rest, digitizer pen, pen holder in right side | ISV software certifications | | | |
| ThinkLight™ | Two LEDs illuminate the keyboard to improve visibility in low-light conditions | Supports ThinkVantage® technologies | | | |
| Dimensions ³ Weight ² Case color Case material | 9-cell 17W" (WxDxH): 16.1" x 12.2" x 2.1"; 410mm x 310mm x 52.2mm 9-cell: starting at 10.9 lb (4.96kg) Black | ThinkPad W700 Mini Dock 2.0 Provides desktop expansion and cable management for W700 Series | | | |
| Battery - type Battery - life ¹⁰ | Top: magnesium alloy; Bottom: Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 9-cell 9-cell: up to 2.1 hr | Features: Security key lock Security cable lock slot External monitor ports | | | |
| Chipset ExpressCard/34 ExpressCard/54 Compact Flash Smart Card read Multicard reader Ports | Mobile Intel PM45 Express Chipset (Memory Controller Hub), ICH9M-Enhanced I/O Controller Hub (SATA 3.0Gb/s, RAID 0 or 1 support, USB 2.0, PCI Express 1.1, PCI 2.3, security chip, ethernet MAC), LPC bus One slot (ExpressCard/34) One slot (ExpressCard/34, ExpressCard/54) None None None 7-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) Five USB 2.0, external monitor ¹¹ (VGA DB-15, dual-link DVI-D, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin conn; 1394a-2000 standard) | Analog VGA DB-15 Dual-link DVI-D DisplayPort Four USB 2.0 ports eSATA port Gigabit ethernet port Microphone in and headphone out S/PDIF (RCA coaxial digital out) Requires 170 watt AC adapter | | | |
| Mini PCI Express Intel 5300 ²⁸ 2G Turbo UWB Modem Bluetooth™ | Three Mini PCI Express slots 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel Ultimate N WiFi Link 5300, 3x3 None None (uses Half-Mini PCIe slot) 56K V.92 ⁶ modem in Communications Daughter Card socket Bluetooth 2.1 wireless, LED indicator | 170-watt AC adapter ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support during the warranty period¹² | | | |
| Ethernet Intel AMT Audio support | Intel 82567LM Gigabit Network Connection (Boazman), PHY, PCIe x1 Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / | ThinkPlus™.22 3-year LOR 9x5 NBD 41C9176 ThinkPlus 4-year LOR 9x5 NBD | | | |
| Security Security chip | volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader on palm rest, swipe sensor, supports the security chip | 41C9177 ThinkPlus 5-year LOR 9x5 NBD 41C9179 ThinkPlus 4-year P&L P/U Depot | | | |
| | 3-year - EasyServ™.19 depot repair service / service upgrades ²² available | 41C9178 | | | |
| 1GB PC3-8500 D 2GB PC3-8500 D 4GB PC3-8500 D | DDR3 L-H SODIMM 55Y3706 ThinkPad Battery 37++ (9-cell) 45J7914 DDR3 L-H SODIMM 55Y3707 ThinkPad 170W AC Adapter 41R4421 DDR3 L-H SODIMM 55Y3708 ThinkPad W700 Mini Dock 2.0 57Y4345 | ThinkPlus 5-year P&L P/U Depot 41C9180 Post-warranty annual maintenance agreements at lenovo com/thinkplus/warranty | | | |
| 4GB PC3-8500 D | DDR3 L-H SODIMM 55Y3708 ThinkPad W700 Mini Dock 2.0 57Y4345 Other accessories at lenovo.com/accessories | | | | |

See footnotes for important warranty information

♣Intel Centrino® 2 with vPro™ technology

ThinkPad® W700, W700ds Accessories

| Memory 43R1987 ann 08/05/08 1GB PC3-8500 DDR3 SODIMM (25-Pack) 51J0551 ann 03/17/09 2GB PC3-8500 DDR3 SODIMM (25-Pack) 43R1988 ann 08/05/08 2GB PC3-8500 DDR3 SODIMM (25-Pack) 51J0552 ann 03/17/09 4GB PC3-8500 DDR3 SODIMM (25-Pack) 51J0493 ann 03/03/09 1GB PC3-8500 DDR3 Low-Halogen SODIMM 55Y3706 ann 06/23/09 1GB PC3-8500 DDR3 L-H SODIMM (25-Pack) 57Y4385 ann 06/23/09 2GB PC3-8500 DDR3 Low-Halogen SODIMM 55Y3707 ann 06/23/09 2GB PC3-8500 DDR3 L-H SODIMM (25-Pack) 57Y4386 ann 06/23/09 4GB PC3-8500 DDR3 Low-Halogen SODIMM 55Y3708 ann 06/23/09 | Security Kensington® MicroSaver® Cable Lock 73P2582 ann 12/29/03 Kensington Twin Head Cable Lock 45K1620 ann 09/30/08 USB Gemplus GemPC Smart Card Reader 41N3040 ann 02/21/06 ExpressCard Gemplus Smart Card Reader 41N3043 ann 06/27/06 57 Only compatible with the models having 54mm Express card slot. Multimedia ThinkPad In-Ear Headphones 57Y4488 ann 01/07/10 Batteries ThistPad Patters CT 1 (0.048) |
|--|--|
| Ultrabay Slim 9.5mm Serial ATA Hard Drive Bay Adapter III ⁴⁸ DVD-ROM Ultrabay Slim SATA 1.5Gb/s CD-RW/DVD-ROM Ultrabay Slim SATA 48 DVD Burner Ultrabay Slim SATA 1.5Gb/s ⁴⁸ 43N3212 ann 08/05/08 43N3213 ann 08/05/08 43N3214 ann 08/05/08 43N3214 ann 08/05/08 | ThinkPad Battery 37++ (9-cell) 45J7914 ann 08/12/08 ThinkPad 170W AC Adapter 41R4421 ann 08/12/08 ThinkPad 230W AC Adapter 55Y9333 ann 02/23/10 More information at www.lenovo.com/alldaycomputing Carrying Cases Up to 17.0" widescreen models: |
| Ultrabay Enhanced 12.7mm DVD-ROM Ultrabay Enhanced SATA 1.5Gb/s DVD Burner Ultrabay Enh SATA 1.5Gb/s Blu-ray™ Burner Ultrabay Enh SATA 1.5Gb/s Blu-ray Reader / DVD Burner Ultrabay Enh Storage and removable storage 43R9147 ann 08/05/08 43R9150 ann 08/05/08 43R9150 ann 08/05/08 43R9150 ann 01/07/10 | Monitors 43R9117 ann 08/12/08 Monitors 5047HB2 ann 10/20/09 ThinkVision L1900p 19" Monitor 5047HB2 ann 10/20/09 ThinkVision L1951p Wide 19" Monitor 2448HB6 ann 10/20/09 ThinkVision L2250p Wide 22" Monitor 2572HB6 ann 10/20/09 ThinkVision L2251p Wide 22" Monitor 2572HD6 ann 10/20/09 |
| 160GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ 41N5692 ann 03/20/07 160GB Disk SATA 1.5Gb/s (7200 rpm) ⁴¹ 41N5737 ann 10/16/07 250GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ 43R8152 ann 01/15/08 250GB Disk FDE SATA 1.5Gb/s (7200 rpm) ⁴¹ 43N3410 ann 01/20/09 320GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ 43N3403 ann 08/05/08 320GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ 43N3403 ann 08/05/08 500GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ 43N3420 ann 06/23/09 500GB Disk SATA 3.0Gb/s (7200 rpm) ⁴¹ 43N3423 ann 01/07/10 41 Can be used as the main HDD or with Serial ATA Hard Drive Pay Adaptor III 42N2413 in the Ultraheav | ThinkVision L2251x Wide 22" Monitor ThinkVision L2440p Wide 24" Monitor Monitor Accessories ⁴⁶ Lenovo USB-to-DVI Monitor Adapter ThinkVision USB Soundbar ThinkVision Soundbar Kensington MicroSaver Cable Lock Kensington Twin Head Cable Lock 4578HB6 ann 10/20/09 4420HB2 ann 09/17/08 45K5296 ann 05/12/09 40Y7616 ann 08/23/05 45K1263 ann 09/16/08 73P2582 ann 12/29/03 45K1620 ann 09/30/08 |
| with <i>Serial ATA Hard Drive Bay Adapter III 43N3412</i> in the Ultrabay 128GB SSD SATA 3.0Gb/s 1.8" (2.5" cover) 43N3406 <i>ann 08/26/08</i> 256GB FDE SSD SATA 3Gb/s 1.8"(2.5" cover) 43N3417 <i>ann 06/23/09</i> | Lenovo Easy Reach Monitor Stand 55Y9258 ann 09/22/09 Radial Arm 19K4464 ann 05/05/00 ⁴⁶ Compatible on selected Lenovo and ThinkVision monitors. |
| USB 2.0 Essential Memory Key 4GB USB 2.0 Essential Memory Key 8GB USB 2.0 Essential Memory Key 32GB USB 2.0 Ultra Secure Memory Key 1GB USB 2.0 Ultra Secure Memory Key 2GB USB 2.0 Ultra Secure Memory Key 2GB USB 2.0 Ultra Secure Memory Key 4GB USB 2.0 Ultra Secure Memory Key 4GB USB 2.0 Ultra Secure Memory Key 4GB USB 2.0 Ultra Secure Memory Key 8GB | More information at www.lenovo.com/support/monitoraccessories |
| USB 2.0 Portable 320GB Hard Disk USB 2.0 Portable 500GB Hard Disk USB 2.0 Portable Secure 160GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk USB 2.0 Portable Secure 500GB Hard Drive USB 2.0 Super Multi-Burner Drive USB 2.0 Portable DVD Burner 45K1689 ann 03/17/09 45K1689 ann 05/26/09 43R2018 ann 11/18/08 43R2018 ann 11/18/08 43R2019 ann 01/07/10 41N5565 ann 01/23/07 43N3264 ann 01/05/10 | |
| ThinkPad Expansion Lenovo® Essential Notebook Stand USB Port Replicator with Digital Video ThinkPad W700 Mini Dock 2.0 More information at www.lenovo.com/support/W700minidock | |
| Keyboard TrackPoint Cap Collection USB Numeric Keypad Preferred Pro USB Keyboard Ultraslim Wireless Keyboard and Mouse ⁵² Wireless via 2.4GHz technology using a micro-size USB receiver. ThinkPad USB Keyboard with TrackPoint Lenovo® USB Fingerprint Keyboard Lenovo USB Smartcard Keyboard Seyboard Wireless Keyboard Seyboard with TrackPoint Lenovo® USB Fingerprint Keyboard Lenovo® USB Smartcard Keyboard Seyboard Seyb | |
| Mouse Lenovo Mini Optical Mouse - Black (USB) Lenovo Mini Optical Mouse - White (USB) Lenovo Optical Mouse (USB) Lenovo Laser Mouse (USB) ThinkPad USB Laser Mouse Lenovo ScrollPoint® Mouse (USB, Optical) ThinkPad Bluetooth Laser Mouse S5Y9308 ann 05/19/09 55Y9309 ann 05/21/03 41U3074 ann 01/23/07 57Y4635 ann 12/15/09 31P7405 ann 08/27/02 31P7410 ann 06/04/02 41U5008 ann 01/22/08 | For more information on ThinkPad accessories, please visit: www.lenovo.com/support/accessories www.lenovo.com/support/notebookaccessories www.lenovo.com/support/security Other accessories at www.lenovo.com/accessories Accessories Guide pdf at www.lenovo.com/accessoriesguide |



Lenovo® ThinkPad W701



Lenovo ThinkPad W701 with ThinkPad W700 Mini Dock 2.0 57Y4345



ThinkPad 170W AC Adapter 41R4421



ThinkPad Battery 37++ (9-cell) 45J7914



Lenovo ThinkPad W701



Lenovo ThinkPad W701

| Type-model Processor Memory (MHz) | Widescreen display | Discrete graphics | Disk(s) SATA GB [®] rpm | RAID | SATA optical | PCle Mini Card 802.11 | Card slot | Color calib/ Digitize | Adapte | | Avail date |
|-----------------------------------|-----------------------|----------------------|--|-------|-----------------|-----------------------------|--------------|-----------------------------|--------|-------------|---------------|
| 2500-3AU i7-720QM 2GBx1 1066 | 17" WXGA+ | FX2800M | 1x320G 7200 | No No | DVD±RW | Intel 6300 ²⁸ | Exp 5 | 64 | 170W | vPro Pro 64 | Mar 10 |
| 2500-3BU i7-820QM 2GBx2 1066 | 17" WUXGA | FX2800M | 1x320G 7200 | No No | DVD±RW | Intel 6300 | Smar | t Yes | 230W | vPro Pro 64 | Mar 10 |

• These small and medium business (SMB) models are part of the US TopSeller™ Program

| - W | | | | | |
|--|---|---|--|--|--|
| Positioning Processor | Mobile workstation; three spindles Intel® Core™ i7 processor i7-720QM or i7-820QM with quad-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1333MHz), Intel Turbo Boost, Hyper-Threading technology; | Preloaded operating system ²⁰ - Genuine Windows® 7 Professional 64 Preloaded applications 14 (only some | | | |
| | <i>i7-720QM:</i> 1.60GHz, 6MB cache; <i>i7-820QM:</i> 1.73GHz, 8MB cache | Preloaded applications ¹⁴ (only some listed) | | | |
| Memory | 2GB or 4GB std / 16GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, four 204-pin SO-DIMM sockets | Rescue and Recovery™ Access Connections™ | | | |
| SATA DVD±RW Ultrabay Enhancd SATA disk(s) | DVD burner, SATA 1.5Gb/s, 12.7mm Ultrabay Enhanced, removable One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high One disk, 320GB³ (7200 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports 3rd disk, ThinkPad Shock Mounted Hard Drive, Active Protection System™ | Password Manager ThinkVantage Power Manager Fingerprint Software ThinkVantage Toolbox Adobe® Reader® | | | |
| Widescreen display | Some: 17.0" (433.0mm) WXGA+ (1440x900) color, anti-glare, LED backlight, 200 nits, 16:10 aspect ratio, 300:1 contrast ratio, 45% color gamut Some: 17.0" (433.0mm) WUXGA (1920x1200) color, anti-glare, RGB LED backlight, | Skype™ for Windows Corel® WinDVD® (DVD±RW) | | | |
| | 280 nits, 16:10 aspect ratio, 600:1 contrast ratio, 100% color gamut | ISV software certifications | | | |
| Color calibration Camera | Some: huey™PRO Colorimeter by X-Rite® color calibration sensor in palm rest Camera on top of screen, 2.0-megapixel, fixed focus | Supports ThinkVantage® technologies | | | |
| Discrete graphics | NVIDIA® Quadro® FX2800M, PCI Express® x16, 1GB memory supports dual independent display; | ThinkPad W700 Mini Dock 2.0 Provides desktop expansion and cable mgmt for W700 and W701 Series | | | |
| | Maximum external resolution: 2560x1600 (DisplayPort or dual-link DVI-D)@60Hz; 2048x1536 (VGA)@85Hz | Features: | | | |
| Keyboard TrackPoint® Touch pad Numeric keypad Digitizer ThinkLight™ | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label 10-key numeric keypad on right side of keyboard Some: Wacom® digitizer (128x80mm) on palm rest, digitizer pen, pen holder in right side Two LEDs illuminate the keyboard to improve visibility in low-light conditions | Security key lock Security cable lock slot External monitor ports Analog VGA DB-15 Dual-link DVI-D DisplayPort Four USB 2.0 ports SATA port Gigabit ethernet port Microphone in and headphone out S/PDIF (RCA coaxial digital out) Requires 170 or 230 watt AC adptr | | | |
| Dimensions ³ Weight ² Case material Battery - type Battery - life ¹⁰ | 9-cell 17W" (WxDxH): 16.1" x 12.2" x 1.60-1.63"; 410mm x 310mm x 40.6-41.4mm 9-cell: starting at 8.97 lb (4.07kg) Top: magnesium alloy; Bottom: Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium lon 9-cell 9-cell: up to 2.0 hr | | | | |
| Chipset ExpressCard/34 ExpressCard/54 Compact Flash Smart Card Read Multicard Reader Ports | Mobile Intel QM57 Express Chipset One ExpressCard/34 Some: [/54] One ExpressCard/34 or ExpressCard/54 None Some: Smart Card Reader 5-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC) One USB 3.0, Three USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor ¹¹ (VGA DB-15, dual-link DVI-D, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) | 170-watt or 230-watt AC adapter ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support during the warranty period¹² via 800-426-7378 | | | |
| | One PCI Express Half Mini Card slot 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Ultimate-N 6300, 3x3 56K V.926 modem Bluetooth 2.1 wireless, LED indicator Intel 82577LM Gigabit Network Connection (Hanksville), PHY, PCIe x1 Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant UPEK Fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip | ThinkPlus ^{TM-22} 3-year LOR ²⁴ 9x5 NBD 41C9176 ThinkPlus 4-year LOR 9x5 NBD 41C9177 ThinkPlus 5-year LOR 9x5 NBD 41C9179 ThinkPlus 4-year P&L P/U Depot 41C9178 ThinkPlus 5-year P&L P/U Depot 41C9180 Post-warranty annual maintenance agreements at | | | |
| Limited warranty ¹² | 3-year - depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty | | | |
| San footpoton for in | apartant warranty information | @ L anova | | | |





Lenovo® ThinkPad W701ds

Lenovo ThinkPad W701ds



Lenovo ThinkPad W701ds



ThinkPad 17W Business Topload Case 43R9117



ThinkPad 230W AC Adapter 55Y9333

| Type-model Processor Memory (MHz) | Primary display | Secondary display Camera | Discrete graphics | SATA GB ⁸ rpm | Color calib/ A RAIDDigitizer | Power Adapter Intel (watt) vPro Preload | Avail date |
|-----------------------------------|--------------------|-----------------------------|-------------------|-----------------------------|------------------------------------|---|---------------|
| 2500-2XU i7-820QM 4GBx2 1333 1 | 7" WUXGA | 10.6" WXGA | FX3800M | 128G SSD + 320G 5400 | None Yes 2 | 230W vPro Pro 64 | Mar 10 |
| 2500-3CU i7-820QM 2GBx2 1066 1 | 7" WUXGA | 10.6" WXGA 2.0M | FX3800M | 500G 7200 | None Yes 2 | 230W vPro Pro 64 | Mar 10 |

- ds = dual screen
- 17" widescreen ThinkPad workstation with two RAID-capable disks
 Select models include integrated color calibration and digitizer on palm rest

| Positioning Processor | Mobile workstation; three spindles Intel® Core™ i7 processor i7-820QM with quad-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1333MHz), Intel Turbo Boost, Hyper-Threading technology; 1.73GHz, 8MB cache | Preloaded operating system ²⁰ - Genuine Windows® 7 Professional 64 Preloaded applications 14 (only some | | | | |
|---|---|--|--|--|--|--|
| Memory | 4GB or 8GB std / 16GB max ⁷ / PC3-8500 1066MHz or PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, four 204-pin SO-DIMM sockets | Preloaded applications¹⁴ (only some listed) • Rescue and Recovery™ | | | | |
| SATA DVD±RW Ultrabay Enhancd SATA disk | DVD burner, SATA 1.5Gb/s, 12.7mm Ultrabay Enhanced, removable One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high Some: One disk, 500GB³ (7200 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, Active Protection System™ (APS) Some: Two disks, 128GB Solid State Drive (SSD) / SATA 3.0Gb/s, 1.8" wide, 8mm high and 320GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, APS All: removable, upgradable, supports three disks max, Shock Mounted Hard Drive | Access Connections[™] Password Manager ThinkVantage Power Manager ThinkVantage System Update Fingerprint Software ThinkVantage Toolbox Adobe® Reader® | | | | |
| Displays | Primary: 17.0" (433.0mm) WUXGA (1920x1200) color, anti-glare, RGB LED backlight, 280 nits, 16:10 aspect ratio, 600:1 contrast ratio, 100% color gamut; Secondary: 10.6" (268.7mm) WXGA (768x1280) color, portrait, anti-glare, LED backlight, 230 nits, 9:15 aspect ratio, 190:1 contrast ratio, 45% color gamut, | Skype™ for Windows Corel® WinDVD® (DVD±RW) Corel Burn.Now™ Lenovo Edition (DVD±RW) | | | | |
| | slides out of right side of top cover, 30° tilt, 40% of primary screen size | ISV software certifications | | | | |
| Color calibration Camera | huey™PRO Colorimeter by X-Rite® color calibration sensor in palm rest Some: camera on top of screen, 2.0-megapixel, fixed focus | Supports ThinkVantage® technologies | | | | |
| Discrete | NVIDIA® Quadro® FX3800M, PCI Express® x16, 1GB memory, | ThinkPad W700 Mini Dock 2.0 Provides desktop expansion and cable | | | | |
| graphics | supports dual independent display; Maximum external resolution: 2560x1600 (DisplayPort or dual-link DVI-D)@60Hz; 2048x1536 (VGA)@85Hz | mgmt for W700 and W701 Series Features: | | | | |
| Keyboard TrackPoint® Touch pad Numeric keypad Digitizer ThinkLight™ | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label 10-key numeric keypad on right side of keyboard Wacom® digitizer (128x80mm) on palm rest, digitizer pen, pen holder in right side Two LEDs illuminate the keyboard to improve visibility in low-light conditions | Security key lock Security cable lock slot External monitor ports Analog VGA DB-15 Dual-link DVI-D DisplayPort Four USB 2.0 ports | | | | |
| Dimensions ³ Weight ² Case material Battery - type | 9-cell 17W" (WxDxH): 16.1" x 12.2" x 2.1"; 410mm x 310mm x 52.2mm 9-cell: starting at 11.43 lb (5.23kg) Top: magnesium alloy; Bottom: Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 9-cell | eSATA port Gigabit ethernet port Microphone in and headphone out S/PDIF (RCA coaxial digital out) Requires 170 or 230 watt AC adptr | | | | |
| Battery - life ¹⁰ Chipset ExpressCard/34 ExpressCard/54 Compact Flash Smart Card read Multicard reader Ports | 9-cell: up to 2.0 hr Mobile Intel QM57 Express Chipset One ExpressCard/34 None [CF] One Type I slot None 5-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC) One USB 3.0, Three USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor¹¹ (VGA DB-15, dual-link DVI-D, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) | 230-watt AC adapter ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Gold rating ENERGY STAR™ 5.0-compliant RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support during the warranty period¹² via 800-426-7378 | | | | |
| PCIe Mini Card Intel 6300 ²⁸ Modem Bluetooth™ Ethernet Intel AMT Audio support | One PCI Express Half Mini Card slot 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Ultimate-N 6300, 3x3 56K V.926 modem Bluetooth 2.1 wireless, LED indicator Intel 82577LM Gigabit Network Connection (Hanksville), PHY, PCIe x1 Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole | ThinkPlus ^{TM. 22} 3-year LOR 9x5 NBD 41C9176 ThinkPlus 4-year LOR 9x5 NBD 41C9177 ThinkPlus 5-year LOR 9x5 NBD 41C9179 ThinkPlus 4-year P&L P/U Depot 41C9178 ThinkPlus 5-year P&L P/U Depot | | | | |
| | Trusted Platform Module, TCG 1.2-compliant UPEK Fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip | 41C9180 Post-warranty annual maintenance agreements at | | | | |
| Limited warranty ¹² | ² 3-year - depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty | | | | |

ThinkPad® W701, W701ds Accessories

| iiki da Wioi, Wioids Access | 01103 | | |
|--|---|---|--|
| Memory 1GB PC3-8500 DDR3 Low-Halogen SODIMM 1GB PC3-8500 DDR3 L-H SODIMM (25-Pack) 2GB PC3-8500 DDR3 Low-Halogen SODIMM 2GB PC3-8500 DDR3 L-H SODIMM (25-Pack) | 55Y3706 ann 06/23/09 57Y4385 ann 06/23/09 55Y3707 ann 06/23/09 57Y4386 ann 06/23/09 | Security Kensington® MicroSaver® Cable Lock Kensington Twin Head Cable Lock USB Gemplus GemPC Smart Card Reader ExpressCard Gemplus Smart Card Reader 57 Only compatible with the models having 8 | 741N3043 <i>ann 06/27/06</i> |
| Ultrabay Slim 9.5mm Serial ATA Hard Drive Bay Adapter III ⁴⁸ DVD-ROM Ultrabay Slim SATA 1.5Gb/s CD-RW/DVD-ROM Ultrabay Slim SATA ⁴⁸ DVD Burner Ultrabay Slim SATA 1.5Gb/s ⁴⁸ ⁴⁹ Slim 9.5mm device in 12.7mm bay shows ga | 43N3412 ann 06/23/09 43N3212 ann 08/05/08 43N3213 ann 08/05/08 43N3214 ann 08/05/08 p above the device. | Multimedia ThinkPad In-Ear Headphones Batteries ThinkPad Battery 37++ (9-cell) ThinkPad 170W AC Adapter | 57Y4488 ann 01/07/10 45J7914 ann 08/12/08 41R4421 ann 08/12/08 |
| Ultrabay Enhanced 12.7mm | 1000117 00/05/00 | ThinkPad 230W AC Adapter | 55Y9333 ann 02/23/10 |
| DVD-RÓM Ultrabay Enhanced SATA 1.5Gb/s DVD Burner Ultrabay Enh SATA 1.5Gb/s | 43R9147 ann 08/05/08 43R9149 ann 08/05/08 | More information at www.lenovo.com/allda | ycomputing |
| Blu-ray™ Burner Ultrabay Enh SATA 1.5Gb/s Blu-ray Reader / DVD Burner Ultrabay Enh Storage and removable storage | 43R9150 ann 08/05/08 43N3295 ann 01/07/10 | Carrying Cases Up to 17.0" widescreen models: ThinkPad 17W Business Topload Case | 43R9117 <i>ann 08/12/08</i> |
| 160GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ 160GB Disk SATA 1.5Gb/s (7200 rpm) ⁴¹ 250GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ 250GB Disk FDE SATA 1.5Gb/s (5400 rpm) ⁴¹ 250GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ 320GB Disk SATA 1.5Gb/s (7200 rpm) ⁴¹ 320GB Disk SATA 1.5Gb/s (7200 rpm) ⁴¹ 500GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ 500GB Disk SATA 3.0Gb/s (7200 rpm) ⁴¹ ⁴¹ Can be used as the main HDD or with Serial ATA Hard Drive Bay Adapter III 438 | 41N5692 ann 03/20/07 41N5737 ann 10/16/07 43R8152 ann 01/15/08 43N3410 ann 01/20/09 43N3403 ann 08/05/08 43N3411 ann 01/20/09 43N3420 ann 06/23/09 43N3423 ann 01/07/10 | Monitors ThinkVision® L1711p 17" Monitor ThinkVision L1900p 19" Monitor ThinkVision L1951p Wide 19" Monitor ThinkVision L2250p Wide 22" Monitor ThinkVision L2251p Wide 22" Monitor ThinkVision L2251x Wide 22" Monitor ThinkVision L2440p Wide 24" Monitor | 5047HB2 ann 10/20/09 4431HE1 ann 11/11/08 2448HB6 ann 10/20/09 2572HB6 ann 10/20/09 2572HD6 ann 10/20/09 2578HB6 ann 10/20/09 4420HB2 ann 09/17/08 |
| 128GB SSD SATA 3.0Gb/s 1.8" (2.5" cover) 256GB FDE SSD SATA 36b/s 1.8" (2.5" cover) | 43N3406 ann 08/26/08 43N3417 ann 06/23/09 | Monitor Accessories ⁴⁶ Lenovo USB-to-DVI Monitor Adapter ThinkVision USB Soundbar | 45K5296 ann 05/12/09 40Y7616 ann 08/23/05 |
| USB 2.0 Essential Memory Key 4GB USB 2.0 Essential Memory Key 8GB USB 2.0 Essential Memory Key 32GB USB 2.0 Ultra Secure Memory Key 2GB USB 2.0 Ultra Secure Memory Key 4GB USB 2.0 Ultra Secure Memory Key 8GB | 45J7904 ann 06/24/08 45J7905 ann 07/15/08 45K1258 ann 10/28/08 45J5916 ann 08/26/08 45J5917 ann 08/26/08 45J5918 ann 08/26/08 | ThinkVision Soundbar Kensington MicroSaver Cable Lock Kensington Twin Head Cable Lock Lenovo Easy Reach Monitor Stand Radial Arm 46 Compatible on selected Lenovo and Thin | 45K1263 ann 09/16/08 73P2582 ann 12/29/03 45K1620 ann 09/30/08 55Y9258 ann 09/22/09 19K4464 ann 05/05/00 kVision monitors. |
| USB 2.0 Portable 320GB Hard Disk USB 2.0 Portable 500GB Hard Disk USB 2.0 Portable Secure 160GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk eSATA/USB 2.0 Secure 500GB Hard Drive USB 2.0 Super Multi-Burner Drive USB 2.0 Portable DVD Burner | 45K1689 ann 03/17/09 45K1690 ann 05/26/09 43R2018 ann 11/18/08 43R2019 ann 11/18/08 57Y4400 ann 01/07/10 41N5565 ann 01/23/07 43N3264 ann 01/05/10 | More information at www.lenovo.com/supp | oort/monitoraccessories |
| ThinkPad Expansion Lenovo® Essential Notebook Stand USB Port Replicator with Digital Video ThinkPad W700 Mini Dock 2.0 | 45J9292 ann 05/12/09 45K1610 ann 07/28/09 57Y4345 ann 09/29/09 | | |
| More information at www.lenovo.com/support | /W700minidock | | |
| Keyboard TrackPoint Cap Collection USB Numeric Keypad Preferred Pro USB Keyboard Enhanced Performance USB Keyboard Ultraslim Wireless Keyboard and Mouse ⁵² ⁵² Wireless via 2.4GHz technology using a mic ThinkPad USB Keyboard with TrackPoint Lenovo® USB Fingerprint Keyboard Lenovo USB Smartcard Keyboard | 73P2698 ann 12/16/03 33L3225 ann 05/01/00 73P5220 ann 06/21/05 73P2620 ann 03/23/04 57Y4700 ann 09/15/09 ro-size USB receiver. 55Y9003 ann 08/18/09 73P4730 ann 02/22/05 51J0155 ann 03/24/09 | | |
| Mouse Lenovo Mini Optical Mouse - Black (USB) Lenovo Mini Optical Mouse - White (USB) Lenovo Optical Mouse (USB) Lenovo Laser Mouse (USB) ThinkPad USB Laser Mouse Lenovo ScrollPoint® Mouse (USB, Optical) ThinkPad Travel Mouse (USB, Optical) ThinkPad Bluetooth Laser Mouse | 55Y9308 ann 05/19/09 55Y9309 ann 05/19/09 06P4069 ann 05/21/03 41U3074 ann 01/23/07 57Y4635 ann 12/15/09 31P7405 ann 08/27/02 31P7410 ann 06/04/02 41U5008 ann 01/22/08 | For more information on ThinkPad accessor www.lenovo.com/support/accessories www.lenovo.com/support/notebookacces www.lenovo.com/support/security Other accessories at www.lenovo.com/accessories Guide pdf at www.lenovo.com/ | essories |





Lenovo® ThinkPad X100e



Lenovo ThinkPad X100e



Lenovo ThinkPad X100e



Lenovo ThinkPad X100e with 3-cell battery





Lenovo ThinkPad X100e

Lenovo ThinkPad X100e family

| Type-model | Proc- essor | GHz | Memory | Wide- screen display | CCFL or LED | | Integrated graphics | Disk SATA GB [®] rpm | PCle Mini Card 802.11 | PCIe Mini Card WWAN | Carrier | Top color | Blue- tooth | Preload | Avail date |
|-------------|----------------|------|--------|----------------------------|-------------------|------|---------------------|-------------------------------------|-----------------------------|---------------------------|--------------------|--------------|----------------|-----------|---------------|
| 3508-28U | MV-40 | 1.60 | 1GB | 11.6" HD | LED | 0.3M | HD 3200 | 160GB 5400 | 11b/g/n | WWAN upg | | black | | Home P 32 | Jan 10 |
| 3508-29U | MV-40 | 1.60 | 2GB | 11.6" HD | LED | 0.3M | HD 3200 | 250GB 5400 | 11b/g/n | WWAN upg | | black | | Pro 32 | Jan 10 |
| 3508-2AU | MV-40 | 1.60 | 2GB | 11.6" HD | LED | 0.3M | HD 3200 | 250GB 5400 | 11b/g/n | Gobi 2000 | AT&T ²³ | black | | Pro 32 | Jan 10 |
| is 3508-9BU | L335 | 1.60 | 1GB | 11.6" HD | LED | 0.3M | HD 3200 | 160GB 5400 | 11b/g/n | WWAN upg | | black | | Home P 32 | Mar 10 |
| is 3508-9CU | L335 | 1.60 | 2GB | 11.6" HD | LED | 0.3M | HD 3200 | 250GB 5400 | 11b/g/n | WWAN upg | | black | | Pro 32 | Mar 10 |
| is 3508-9DU | L335 | 1.60 | 2GB | 11.6" HD | LED | 0.3M | HD 3200 | 250GB 5400 | 11b/g/n | WWAN upg | | red | | Pro 32 | Mar 10 |
| is 3508-9EU | L335 | 1.60 | 2GB | 11.6" HD | LED | 0.3M | HD 3200 | 250GB 5400 | 11b/g/n | Gobi 2000 | | black | Blue | Pro 32 | Mar 10 |
| ւ∞ 3508-9TU | L335 | 1.60 | 1GB | 11.6" HD | LED | 0.3M | HD 3200 | 160GB 5400 | 11b/g/n | Gobi 2000 | AT&T | black | | Home P 32 | Apr 10 |

These small and medium business (SMB) models are part of the US TopSeller™ Program

| Positioning Processor | Entry ultraportable for excellent usability and reliability; one spindle AMD® Athlon™ Neo Processor for Ultrathin Notebooks MV-40 with single-core, virtualization technology, integrated DDR2 memory controller, and 512KB L2 cache or AMD Athlon Neo X2 Processor for Ultrathin Notebooks L335 with dual-core, virtualization technology, integrated DDR2 memory controller, and 512KB L2 cache | Preloaded operating system ²⁰ - Some: Genuine Windows 7 Home Premium 32 - Some: Genuine Windows® 7 Professional 32 | | | |
|---|---|---|--|--|--|
| Memory | 1GB or 2GB std / 4GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; <i>Non-italics:</i> standard memory in one socket; one socket available | Preloaded applications¹⁴ (only some listed) • Rescue and Recovery™ | | | |
| SATA DVD±RW SATA disk | None (use optional USB-based optical drive) 160GB ⁸ (5400 rpm) or 250GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, Active Protection System™, upgradable | Access Connections TM Password Manager ThinkVantage System Update ThinkVantage Power Manager | | | |
| Widescreen display Camera | 11.6" (295mm) HD (1366x768) TFT color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio Camera on top of screen, 0.3-megapixel, fixed focus, low light sensitive | ThinkVantage Fower Manager ThinkVantage Toolbox Adobe® Reader® Adobe Flash® Player | | | |
| Integrated graphics | ATI™ Radeon™ HD 3200 graphics, in M780G, external analog monitor support via VGA DB-15 connector; Maximum external resolution: 2048x1536@60Hz | Windows Live TM Toolbar Skype TM for Windows Microsoft Research AutoCollage | | | |
| Keyboard TrackPoint® Touch pad ThinkLight™ | Full-size, 6-row, spill-resistant, multimedia Fn keys TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar ¹³ , magnifying glass Two-button touch pad, suppots multi-touch function None | Touch | | | |
| Dimensions ³ Weight ² | 6-cell: 11.1" x 8.2" x 0.6-1.2"; 282mm x 209mm x 16-30mm 6-cell: from 3.3 lb (1.5kg) | Supports ThinkVantage® technologies | | | |
| Case Battery - type Battery - life ¹⁰ | Color: black or red; Material: PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium lon 6-cell 6-cell: up to 5 hr | 65-watt AC Adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant ROHS-compliant | | | |
| Chipset | AMD M780G Chipset, SB710 south bridge | International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support | | | |
| Multicard reader ExpressCard/54 Ports | 4-in-1 reader (MultiMediaCard, Memory Stick, Mem Stick Pro, Secure Digital) None Three USB 2.0 (one powered), external monitor (VGA DB-15), ethernet (RJ-45) | during the warranty period ¹² via 800-426-7378 | | | |
| PCIe Mini Card 11b/g/n WWAN upg Gobi™ 2000 | Two PCI Express Mini Card slots 11b/g/n wireless ⁴ , ThinkPad 11b/g/n, PCIe Half Mini Card, Realtek® chipset, 1x2 Some: Wireless WAN upgradable Some: Wireless WAN, Qualcomm chipset, PCIe Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, contract required with service provider | ThinkPlus™.22 1-year LOR24 9x5 NBD 41C9166 ThinkPlus 2-year LOR 9x5 NBD 41C9167 ThinkPlus 3-year LOR 9x5 NBD | | | |
| Carrier Modem Bluetooth™ | Some: AT&T®, contract required with service provider None Some: Bluetooth 2.1 wireless | 41C9168 ThinkPlus 4-year LOR 9x5 NBD 41C9171 | | | |
| Ethernet Intel AMT | Realtek RT8111DL Gigabit Network Connection, PHY, PCIe x1 None | ThinkPlus 2-year P&L P/U Depot 41C9169 ThinkPlus 3-year P&L P/U Depot | | | |
| Audio support Security | High Definition (HD) Audio, Conexant CX20582-11Z codec / stereo speakers, 1.5 watt x 2 / combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole | 41C9170 ThinkPlus 4-year P&L P/U Depot | | | |
| Security chip Fingerprint reader | None | 41C9172 Post-warranty annual maintenance agreements at | | | |
| Limited warranty ¹² | 1-year - depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty | | | |
| | · · · · · · · · · · · · · · · · · · · | · · · · · · · · · · · · · · · · · · · | | | |

See footnotes for important warranty information
US models announced March 30 or April 6, 2010; previous models on January 5, 2010

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| | Wide- CCFL | | Disk | | PCle | PCle | Bat- | Whorse | |
|--------------------------------------|--------------------------|-------------------------------|-----------------------------|--------------|---------------------|-------------------|-----------------------|----------------------|--------|
| Proc- Type-model essor GHz Memory | screen or display LED | Integrated Camera graphics | SATA GB [®] rpm | SATA optical | Mini Card 802.11 | Mini Card WWAN | tery Carrier cells | Gbl (Preload Edu | |
| 3508-24LL MV-40 1 60 1GB | 11 6" HD FD | U 3W HD 5500 | 160G 5400 | None | 11h/a/n | Gobi 2000 | None 6 | XP Home No | lan 10 |

| Positioning Processor | Entry ultraportable for excellent usability and reliability; one spindle AMD® Athlon™ Neo Processor for Ultrathin Notebooks MV-40 with single-core, virtualization technology, integrated DDR2 memory controller, and 512KB L2 cache | Preloaded operating system ²⁰ - Genuine Windows® XP Home Edition | | | |
|---|---|---|--|--|--|
| Memory | 1GB std / 4GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; <i>Non-italics:</i> standard memory in one socket; one socket available | Preloaded applications¹⁴ (only some listed) ■ Rescue and Recovery™ | | | |
| SATA DVD±RW SATA disk | None (use optional USB-based optical drive) 160GB ⁸ (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, Active Protection System™, upgradable | Access Connections [™] Client Security Solution [™] ThinkVantage System Update | | | |
| Widescreen display Camera | 11.6" (295mm) HD (1366x768) TFT color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio Camera on top of screen, 0.3-megapixel, fixed focus, low light sensitive | ThinkVantage Power Manager ThinkVantage Presentation Director Lenovo System Toolbox Lenovo Online Data Backup | | | |
| Integrated graphics | ATI™ Radeon™ HD 2200 graphics, in M780G, external analog monitor support via VGA DB-15 connector; Maximum external resolution: 2048x1536@60Hz | Norton™ Internet Security 2009 (30 days of virus definitions) Adobe® Reader® | | | |
| Keyboard TrackPoint [®] Touch pad ThinkLight™ | Full-size, 6-row, spill-resistant, multimedia Fn keys TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar ¹³ , magnifying glass Two-button touch pad, suppots multi-touch function None | Adobe Flash® Player Windows Live™ Toolbar Skype™ for Windows Microsoft® Office 2007 Trial (60-day) | | | |
| Dimensions ³ Weight ² Case | 6-cell: 11.1" x 8.2" x 0.6-1.2"; 282mm x 209mm x 16-30mm 6-cell: from 3.3 lb (1.5kg) Color: black; | Occupation of the state of the | | | |
| Battery - type Battery - life ¹⁰ | Material: PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell 6-cell: up to 5 hr | Supports ThinkVantage® technologies 65-watt AC Adapter EPEAT™ Gold rating | | | |
| Chipset | AMD M780G Chipset, SB710 south bridge | ENERGY STAR® 5.Ŏ-compliant | | | |
| Multicard reader ExpressCard/54 Ports | 4-in-1 reader (MultiMediaCard, Memory Stick, Mem Stick Pro, Secure Digital) None Three USB 2.0 (one powered), external monitor (VGA DB-15), ethernet (RJ-45) | ROHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support | | | |
| PCIe Mini Card 11b/g/n | Two PCI Express Mini Card slots 11b/g/n wireless ⁴ , ThinkPad 11b/g/n, PCIe Half Mini Card, Realtek® chipset, 1x2 | during the warranty period ¹² via 800-426-7378 | | | |
| Gobi™ 2000 | Wireless WAN, Qualcomm chipset, PCIe Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, contract required with service provider | ThinkPlus™. 22 1-year LOR24 9x5 NBD 41C9166 | | | |
| Carrier Modem | None None | ThinkPlus 2-year LOR 9x5 NBD 41C9167 | | | |
| Bluetooth™ Ethernet | Bluetooth 2.1 wireless Realtek RT8111DL Gigabit Network Connection, PHY, PCIe x1 | ThinkPlus 3-year LOR 9x5 NBD 41C9168 | | | |
| Intel AMT Audio support | None High Definition (HD) Audio, Conexant CX20582-11Z codec / | ThinkPlus 4-year LOR 9x5 NBD 41C9171 | | | |
| Security | stereo speakers, 1.5 watt x 2 / combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole | ThinkPlus 2-year P&L P/U Depot 41C9169 | | | |
| Security chip Fingerprint reader | None | ThinkPlus 3-year P&L P/U Depot 41C9170 | | | |
| | 1-year - depot repair service / service upgrades ²² available | ThinkPlus 4-year P&L P/U Depot | | | |
| 1GB PC2-5300 D 2GB PC2-5300 D Other accessories | | Post-warranty annual maintenance agreements at lenovo.com/thinkplus/warranty | | | |
| | | | | | |

See footnotes for important warranty information US model announced January 12, 2010

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ThinkPad® X100e Accessories

| 711000710000000 | | |
|---|--|---|
| Memory 1GB PC2-5300 DDR2 SODIMM 1GB PC2-5300 DDR2 SODIMM (25-Pack) 2GB PC2-5300 DDR2 SODIMM 2GB PC2-5300 DDR2 SODIMM (25-Pack) | 40Y7734 ann 01/05/06 51J0502 ann 03/17/09 40Y7735 ann 11/28/06 51J0548 ann 03/17/09 | Batteries ThinkPad Battery 17 (3-cell) 57Y4558 ann 01/05/10 ThinkPad Battery 17+ (6-cell) 57Y4559 ann 01/05/10 ThinkPad External Battery Charger ⁴⁴ 40Y7625 ann 09/20/05 44 Requires the <i>ThinkPad 90W AC Adapter</i> 40Y7659 or the adapter provided with the system. |
| Storage and removable storage 500GB Disk SATA 1.5Gb/s (5400 rpm) | 43N3420 ann 06/23/09 | More information at www.lenovo.com/alldaycomputing |
| USB 2.0 Essential Memory Key 4GB USB 2.0 Essential Memory Key 8GB USB 2.0 Essential Memory Key 32GB USB 2.0 Ultra Secure Memory Key 2GB USB 2.0 Ultra Secure Memory Key 4GB | 45J7904 ann 06/24/08 45J7905 ann 07/15/08 45K1258 ann 10/28/08 45J5916 ann 08/26/08 45J5917 ann 08/26/08 | ThinkPad 65W AC Adapter 40Y7696 ThinkPad 90W AC Adapter 40Y7659 ann 09/20/05 90W Ultraslim AC/DC Combo Adapter 41R4493 ann 09/22/09 More info at www.lenovo.com/support/poweradapters Charging tips for 90W Ultraslim AC/DC Combo Adapter 41R4493 |
| USB 2.0 Ultra Secure Memory Key 8GB USB 2.0 Portable 320GB Hard Disk USB 2.0 Portable 500GB Hard Disk USB 2.0 Portable Secure 160GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk eSATA/USB 2.0 Secure 500GB Hard Drive USB 2.0 Super Multi-Burner Drive USB 2.0 Portable DVD Burner | 45J5918 ann 08/26/08 45K1689 ann 05/26/09 43R2018 ann 11/18/08 43R2019 ann 11/18/08 57Y4400 ann 01/07/10 41N5565 ann 01/23/07 43N3264 ann 01/05/10 | BlackBerry charge tip (L8a) IPod and iPhone Charge Tip (L10a) Generic Micro USB charge tip (L18) More information at www.lenovopowertips.com Carrying Cases ThinkPad X100e Sleeve 41R4478 ann 12/18/07 41R4481 ann 12/18/07 41R4490 ann 01/06/09 57Y4286 ann 01/05/10 |
| Wireless WAN (Mini PCI Express) Only WWAN upgradable models: ThinkPad AT&T® Gobi 2000 Broadband Opt ThinkPad Gobi 2000 Broadband Option | | ThinkPad X100e Sling 57Y4287 ann 01/05/10 Monitors ThinkVision® L1711p 17" Monitor 5047HB2 ann 10/20/09 ThinkVision L1900p 19" Monitor 4431HE1 ann 11/11/08 ThinkVision L1951p Wide 19" Monitor 2448HB6 ann 10/20/09 ThinkVision L2250p Wide 22" Monitor 2572HB6 ann 10/20/09 |
| ThinkPad Expansion Lenovo® Essential Notebook Stand USB Port Replicator with Digital Video | 45J9292 ann 05/12/09 45K1610 ann 07/28/09 | ThinkVision L2251p Wide 22" Monitor 2572HD6 ann 10/20/09 ThinkVision L2251x Wide 22" Monitor 2578HB6 ann 10/20/09 |
| Keyboard TrackPoint Cap Collection USB Numeric Keypad Preferred Pro USB Keyboard Enhanced Performance USB Keyboard Ultraslim Wireless Keyboard and Mouse ⁵² ⁵² Wireless via 2.4GHz technology using a m ThinkPad USB Keyboard with TrackPoint Preferred Pro USB Fingerprint Keyboard Lenovo USB Smartcard Keyboard | 73P2698 ann 12/16/03 33L3225 ann 05/01/00 73P5220 ann 06/21/05 73P2620 ann 03/23/04 57Y4700 ann 09/15/09 nicro-size USB receiver. 55Y9003 ann 08/18/09 73P4730 ann 02/22/05 51J0155 ann 03/24/09 | Monitor Accessories ⁴⁶ Lenovo USB-to-DVI Monitor Adapter ThinkVision USB Soundbar ThinkVision Soundbar Kensington MicroSaver Cable Lock Tales Reach Monitor Stand Radial Arm 45K5296 ann 05/12/09 45K1263 ann 09/16/08 45K1263 ann 09/16/08 45K1263 ann 09/16/08 45K1620 ann 09/30/08 45K1620 ann 09/30/08 45K1620 ann 09/20/09 19K4464 ann 05/05/00 46 Compatible on selected Lenovo and ThinkVision monitors. More information at www.lenovo.com/support/monitoraccessories |
| Mouse Lenovo Mini Optical Mouse - Black (USB) Lenovo Mini Optical Mouse - White (USB) Lenovo Optical Mouse (USB) Lenovo Laser Mouse (USB) ThinkPad USB Laser Mouse Lenovo ScrollPoint® Mouse (USB, Optical) ThinkPad Travel Mouse (USB, Optical) ThinkPad Bluetooth Laser Mouse Lenovo Wireless Laser Mouse - Black ⁵² Lenovo Wireless Laser Mouse - Red/Black ⁵² | 55Y9308 ann 05/19/09 55Y9309 ann 05/19/09 06P4069 ann 05/21/03 41U3074 ann 01/23/07 57Y4635 ann 12/15/09 31P7405 ann 08/27/02 31P7410 ann 06/04/02 41U5008 ann 01/22/08 45K1696 ann 11/25/08 51J0198 ann 11/25/08 | |
| Security Kensington® MicroSaver® Cable Lock Kensington Twin Head Cable Lock USB Gemplus GemPC Smart Card Reader | 73P2582 ann 12/29/03 45K1620 ann 09/30/08 41N3040 ann 02/21/06 | For more information on accessories, please visit: www.lenovo.com/support/accessories |
| Multimedia ThinkPad In-Ear Headphones | 57Y4488 ann 01/07/10 | www.lenovo.com/support/notebookaccessories www.lenovo.com/support/security |
| Modem USB 2.0 Lenovo Modem | 43R1814 ann 02/26/08 | Other accessories at www.lenovo.com/accessories Accessories Guide pdf at www.lenovo.com/accessoriesguide |
| | | |



Lenovo® ThinkPad X200



Lenovo ThinkPad X200



Lenovo ThinkPad X200



Lenovo ThinkPad X200 with X200/X200s (WXGA), X201 12W Privacy Filter 55Y9264



Lenovo ThinkPad X200 with ThinkPad X200 UltraBase 43R8781



ThinkPad 65W AC Adapter 40Y7696

| | Type-model | Proc- essor | GHz I | Memory | Wide- screen y display | CCFL or LED | | Dis SA a GB ⁸ | TA | Optical in UltraBase | ThinkPad X200 UltraBase | Mini PCle 802.11 wireless | Mini PCIe WWAN | UWB | Intel | Preload | Avail date |
|-----|------------|----------------|-------|--------|------------------------------|-------------------|-----|--------------------------------|------|----------------------------|-------------------------------|---------------------------------|-------------------|------|-------|---------|---------------|
| | 7454-32U | P8700 | 2.53 | 2GB | 12.1" WXG | A LED | | 160GB | 5400 | | | ♣ Intel 5100 ²⁸ | WWAN upo | None | | XP Pro | Oct 09 |
| | | | | | | | | | | | | Intel 5100 | WWAN upo | None | | XP Pro | Oct 09 |
| | 7454-3SU | P8800 | 2.66 | 4GB | 12.1" WXG | A LED | Cam | 160GB | 7200 | DVD±RW | UltraBase | | WWAN upo | | | | |
| 133 | 7454-GKU | P8600 | 2.40 | 2GB | 12.1" WXG | A LED | | 250GB | 5400 | | | | WWAN upo | None | Yes | XP Pro | Dec 09 |

| Positioning Processor | An ultraportable for the executive on the move; one spindle Intel® Core™ 2 Duo processor P8600, P8700, or P8800 with dual-core, Intel HD boost, 1066MHz system bus, and 3MB L2 cache | Preloaded operating system ²⁰ - Windows® XP Professional preinstalled through downgrade |
|--|---|---|
| Memory | 2GB or 4GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; <i>Non-italics:</i> standard memory in 1 socket; 1 socket available | rights in Genuine Windows 7 Professional 32 Preloaded applications ¹⁴ (only some |
| SATA DVD±RW Ultrabay Slim SATA disk | Some: DVD burner (43N3214), SATA 1.5Gb/s, removable from X200 UltraBase Supports Ultrabay Slim devices in optional or standard X200 UltraBase (43R8781) 160GB* (5400 or 7200 rpm) or 250GB (5400 rpm) / SATA 1.5Gb/s, 9.5mm high, Active Protection System™, removable, upgradable, Shock Mounted Hard Drive, supports second disk in optional or std X200 UltraBase | listed) • Rescue and Recovery™ • Access Connections™ • Client Security Solution™ • ThinkVantage Productivity Center • ThinkVantage System Update |
| Widescreen | 12.1" (308mm) WXGA (1280x800) TFT color, anti-glare, LED backlight, | Supports ThinkVantage® technologies |
| display Camera | 200 nits, 16:10 aspect ratio, 250:1 contrast ratio Some: camera on top of screen, 1.3-megapixel, fixed focus | ThinkPad X200 UltraBase™ |
| | Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45 I External monitor support via analog VGA DB-15 connector / DisplayPort via UltraBase; Maximum external resolution: 2048x1536@75Hz | Provides desktop expansion and cable management for X200 Series Easily connects to the bottom of the X200 Series for traveling |
| Keyboard TrackPoint® Touch pad ThinkLight™ | Full-size, 89-key, ThinkVantage button, spill-resistant, mm Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar ¹³ , magnifying glass None Illuminates the keyboard to improve visibility in low-light conditions | Converts ThinkPad to a two-spindle system with optional Ultrabay Slim accessories in right side: CD-RW/DVD-ROM Ultrabay Slim |
| Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰ | without X200 UltraBase; 4-cell: 11.6" x 8.3" x 0.8-1.4"; 295mm x 210mm x 21-35mm without X200 UltraBase; 9-cell: 11.6" x 9.2" x 0.8-1.4"; 295mm x 234mm x 21-35mm 4-cell: from 2.98 lb (1.35kg); 6-cell: from 3.26 lb (1.48kg); 9-cell: from 3.61 lb (1.64kg) Black Magnesium alloy Lithium Ion 6-cell 4-cell: up to 3.3 hr; 6-cell: up to 6.5 hr; 9-cell: up to 9.8 hr | SATA 1.5Gb/s 43N3213 - DVD Burner Ultrabay Slim SATA 1.5Gb/s 43N3214 - Serial ATA Hard Drive Bay Adapter III 43N3412 Disks supported (some): • 250GB FDE 7200 rpm 43N3410 • 320GB Disk 7200 rpm 43N3411 |
| Chipset | Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M-Enhanced I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC) | Other features: Power button (front) Stereo speakers (2 watt) |
| Media slice Multicard reader ExpressCard/54 Ports | Some: X200 UltraBase media slice (see right side) 5-in-1 reader (MultiMediaCard, Memory Stick, Mem Stick Pro, Secure Digital, SDHC) One slot (ExpressCard/34, ExpressCard/54) Three USB 2.0, external monitor (VGA DB-15), modem (RJ-11), ethernet (RJ-45) | Security key lock, security keyhole, and optional security screw Analog DB-15 monitor port DisplayPort (supports single-link) |
| Mini PCI Express Intel 5100 ²⁸ WWAN upg 2G Turbo UWB Modem Bluetooth™ | Three Mini PCI Express slots 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) Wireless WAN upgradable, requires Verizon® (43R9151) or AT&T® (43R9152) None None S6K V.92® modem Bluetooth 2.1 wireless, LED indicator | DVI-D via cable 45J7915) Four USB 2.0 ports Gigabit ethernet port Microphone in and headphone out Second battery charger Requires 65 or 90 watt AC adapter 1.6 lb; 730g |
| Ethernet | Non-vPro model: Intel 82567LF Gigabit Network Connection (Boazman), PHY, PCIe x1 vPro model: Intel 82567LM Gigabit Network Connection (Boazman), PHY, PCIe x1 | 65-watt (GMA graphics) AC Adapter |
| Intel AMT Audio support Security Security chip Fingerprint reader | Some: Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant CX20561 codec / mono speaker, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant | Climate Savers® certified EPEAT™ Gold rating ENERGY STAR® 5.0-compliant ROHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support during the warranty period¹2 |
| Limited warranty ¹² | 1-year - depot repair service / service upgrades ²² available | via 800-426-7378 |
| | | @ Lamau |

See footnotes for important warranty information US model announced December 15, 2009; previous models on October 22, 2009

∴ Intel Centrino® 2 processor technology
∴ Intel Centrino 2 with vPro™ technology

| | Type-model | Proc- essor | GHz | Memor | screen | CCFL or LED | Cam- era | | Optical in UltraBase | ThinkPad X200 UltraBase | Mini PCle 802.11 wireless | | /lini PCle UWB or Turbo | tery | Pre- C | Ávail |
|-----|------------|----------------|-----|-------|------------|-------------------|-------------|--------------------------|----------------------------|-------------------------------|---------------------------------|----------|-------------------------------|------|--------|-------|
| 137 | | | | | 12.1" WXGA | | | 160GB 5400 160GB 7200 | | | Intel 5100²8 Intel 5100 | | | | | |
| | | | | | | | | 160GB 7200 | | | | WWAN upg | | | | |

| Positioning Processor | An ultraportable for the executive on the move; one spindle Intel® Core™ 2 Duo processor P8700 with dual-core, Intel HD boost, 1066MHz system bus, and 3MB L2 cache | Preloaded operating system ²⁰ - Genuine Windows [®] 7 Professional 32 | | |
|--|---|--|--|--|
| Memory | 2GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Non-italics:</i> standard memory in 1 socket; 1 socket available | Preloaded applications¹⁴ (only some listed) ■ Rescue and Recovery™ | | |
| SATA DVD±RW Ultrabay Slim SATA disk | Some: DVD burner (43N3214), SATA 1.5Gb/s, removable from X200 UltraBase Supports Ultrabay Slim devices in optional or standard X200 UltraBase (43R8781) 160GB ⁸ (5400 or 7200 rpm) / SATA 1.5Gb/s, 9.5mm high, Active Protection System™, removable, upgradable, Shock Mounted Hard Drive, supports second disk in optional or std X200 UltraBase | Access ConnectionsTM Password Manager ThinkVantage Power Manager ThinkVantage System Update Fingerprint Software Thigh Vantage Toolbox | | |
| Widescreen display Camera | 12.1" (308mm) WXGA (1280x800) TFT color, anti-glare, LED backlight, 200 nits, 16:10 aspect ratio, 250:1 contrast ratio Some: camera on top of screen, 1.3-megapixel, fixed focus | ThinkVantage Toolbox Lenovo Online Data Backup Supports ThinkVantage® technologies | | |
| | r Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45 | ThinkPad X200 UltraBase™ | | |
| | External monitor support via analog VGA DB-15 connector / DisplayPort via UltraBase; Maximum external resolution: 2048x1536@75Hz | Provides desktop expansion and cable management for X200 Series | | |
| Keyboard TrackPoint® Touch pad | Full-size, 89-key, ThinkVantage button, spill-resistant, mm Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass None | Easily connects to the bottom of the X200 Series for traveling Converts ThinkPad to a two-spindle | | |
| ThinkLight™ | Illuminates the keyboard to improve visibility in low-light conditions | system with optional Ultrabay Slim accessories in right side: | | |
| Dimensions ³ Weight ² Case Battery - type Battery - life ¹⁰ | without X200 UltraBase; 4-cell: 11.6" x 8.3" x 0.8-1.4"; 295mm x 210mm x 21-35mm without X200 UltraBase; 9-cell: 11.6" x 9.2" x 0.8-1.4"; 295mm x 234mm x 21-35mm 4-cell: from 2.98 lb (1.35kg); 6-cell: from 3.26 lb (1.48kg); 9-cell: from 3.61 lb (1.64kg) Color: black; Material: magnesium alloy Lithium lon 6-cell 4-cell: up to 3.3 hr; 6-cell: up to 6.5 hr; 9-cell: up to 9.8 hr | - CD-RW/DVD-ROM Ultrabay Slim SATA 1.5Gb/s 43N3213 - DVD Burner Ultrabay Slim SATA 1.5Gb/s 43N3214 - Serial ATA Hard Drive Bay Adapter III 43N3412 | | |
| Chipset | Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M-Enhanced I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC) | Disks supported (some): • 250GB FDE 7200 rpm 43N3410 • 320GB Disk 7200 rpm 43N3411 | | |
| Media slice Multicard reader ExpressCard/54 Ports | Some: X200 UltraBase media slice (see right side) 5-in-1 reader (MultiMediaCard, Memory Stick, Mem Stick Pro, Secure Digital, SDHC) One slot (ExpressCard/34, ExpressCard/54) Three USB 2.0, external monitor (VGA DB-15), modem (RJ-11), ethernet (RJ-45) | Other features: Power button (front) Stereo speakers (2 watt) Security key lock, security keyhole, | | |
| Mini PCI Express Intel 5100 ²⁸ WiMAX | Three Mini PCI Express slots Some: 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) Some: 11a/b/g/n and WiMAX wireless ⁴ , Mini PCIe adap, Intel WiMAX/WiFi Link 5150, 1x2 (300Mbps) WiFi + 1x2 WiMAX (Echo Peak) | and optional security screw Analog DB-15 monitor port DisplayPort (supports single-link DVI-D via cable 45J7915) | | |
| WWAN upg Verizon ¹⁶ | Some: Wireless WAN upgradable, requires Verizon® (43R9151) or AT&T® (43R9152) Some: Wireless WAN, Qualcomm Gobi 1000 chipset, Mini PCle adptr, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, service contract required with Verizon | Four USB 2.0 ports Gigabit ethernet port Microphone in and headphone out | | |
| 2G Turbo UWB Modem | None None 56K V.92 ⁶ modem | Second battery chargerRequires 65 or 90 watt AC adapter1.6 lb; 730g | | |
| Bluetooth™ Ethernet Intel AMT Audio support | Bluetooth 2.1 wireless, LED indicator Intel 82567LF Gigabit Network Connection (Boazman), PHY, PCIe x1 None High Definition (HD) Audio, Conexant CX20561 codec / mono speaker, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole | 65-watt (GMA graphics) AC Adapter Climate Savers® certified EPEAT™ Gold rating ENERGY STAR® 5.0-compliant ROHS-compliant International Warranty Service¹7 | | |
| Security chip Fingerprint reader | Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader on palm rest, swipe sensor, supports the security chip | 24 hour x 7 day ¹⁸ toll-free support | | |
| | 1-year - EasyServ ^{TM,19} depot repair service / service upgrades ²² available | during the warranty period ¹² via 800-426-7378 | | |
| | | - | | |

See footnotes for important warranty information :Intel Centrino® 2 processor technology US models announced November 3,2009; previous model on October 22, 2009

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Lenovo® ThinkPad X200s



Lenovo ThinkPad X200s



Lenovo ThinkPad X200s



ThinkPad 12W Case Sleeve 51J0476



Lenovo ThinkPad X200s



ThinkPad Battery 47++ (9-cell) 43R9255

| | Disk | Optical ThinkPa | ad Mini PCle | | Bat- Workhorse (W) |
|-------------------------------------|---------------------|--------------------|--------------|-----------------|--------------------------|
| Proc- Widescreen | SATA | in X200 | 802.11 | WWAN UWB Blue/ | ery Pre-Global (G) Avail |
| Type-model essor GHz Memory display | GB ⁸ rpm | UltraBase UltraBas | se wireless | or Turbo Fing o | ells load date |

7466-43U SL9600 2.13 2GB 12.1" WXGA 160GB 7200 DVD±RW UltraBase \$Intel 510028 WWAN upg None Yes 6 XP Pro No Oct 09

- Compared to the X200, the X200s has lighter weight, low voltage processors, LED backlight displays, and roll cage in display cover

 • This small and medium business (SMB) model is part of the US TopSeller™ Program

 • This model has a 3-years limited warranty

| Positioning Processor | An ultraportable for the executive on the move; one spindle Intel® Core™ 2 Duo processor SL9600 with low voltage, dual-core, Intel HD Boost, 1066MHz system bus, and 6MB L2 cache | Preloaded operating system ²⁰ - Windows® XP Professional preinstalled through downgrade |
|---|--|--|
| Memory | 2GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; Non-italics: standard memory in 1 socket; 1 socket available | rights in Genuine Windows 7 Professional 32 Preloaded applications ¹⁴ (only some |
| SATA DVD±RW Ultrabay Slim SATA disk | DVD burner (43N3214), SATA 1.5Gb/s, removable from <i>X200 UltraBase</i> Supports Ultrabay Slim devices in optional or standard <i>X200 UltraBase</i> (43R8781) 160GB ⁸ (7200 rpm) / SATA 1.5Gb/s, 9.5mm high, removable, upgradable, ThinkPad Shock Mounted Hard Drive, Active Protection System™, supports 2nd disk in optional or std <i>X200 UltraBase</i> | listed) ■ Rescue and Recovery™ ■ Access Connections™ ■ Client Security Solution™ ■ ThinkVantage Productivity Center |
| Widescreen display Camera | 12.1" (308mm) WXGA (1280x800) color, anti-glare, LED backlight, 200 nits, 16:10 aspect ratio, 250:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus | ThinkVantage System Update Fingerprint Software Supports ThinkVantage tackpalaging |
| - | | Supports ThinkVantage® technologies |
| | r Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GS45 Il External monitor support via analog VGA DB-15 connector / DisplayPort via UltraBase; Maximum external resolution: 2048x1536@75Hz | ThinkPad X200 UltraBase™ • Provides desktop expansion and |
| Keyboard TrackPoint® Touch pad ThinkLight™ | Full-size, 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar ¹³ , magnifying glass None Illuminates the keyboard to improve visibility in low-light conditions | cable management for X200 Series Easily connects to the bottom of the X200 Series for traveling Converts ThinkPad to a two-spindle |
| Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰ | without X200 UltraBase; 4-cell: 11.6" x 8.3" x 0.8-1.1"; 295mm x 210mm x 21-29mm without X200 UltraBase; 9-cell: 11.6" x 9.2" x 0.8-1.4"; 295mm x 234mm x 21-35mm 4-cell: from 2.43 lb (1.1kg); 6-cell: from 2.71 lb (1.23kg); 9-cell: from 3.05 lb (1.38kg) black Display cover: Carbon-fiber reinforced plastic (top), glass-fiber reinforced plastic (side walls); Base: Magnesium alloy Lithium Ion 6-cell 4-cell: up to 4.4 hr; 6-cell: up to 8.8 hr; 9-cell: up to 13.2 hr | system with optional Ultrabay Slim accessories in right side: - CD-RW/DVD-ROM Ultrabay Slim SATA 1.5Gb/s 43N3213 - DVD Burner Ultrabay Slim SATA 1.5Gb/s 43N3214 - Serial ATA Hard Drive Bay Adapter III 43N3412 Disks supported (some): |
| Chipset | Mobile Intel GS45 Express Chipset (Graphics Memory Controller Hub), ICH9M-SFF-Enhanced I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC) | 250GB FDE 7200 rpm 43N3410 320GB Disk 7200 rpm 43N3411 Other features: |
| Media slice Multicard Reader ExpressCard/54 Ports | X200 UltraBase media slice (see right side) 5-in-1 reader (MultiMediaCard, Memory Stick, Mem Stick Pro, Secure Digital, SDHC) One slot (ExpressCard/34, ExpressCard/54) Three USB 2.0, external monitor (VGA DB-15), modem (RJ-11), ethernet (RJ-45) | Power button (front) Stereo speakers (2 watt) Security key lock, security keyhole, and optional security screw And DR LE PRODUCTOR |
| Mini PCI Express Intel 5100 ²⁸ WWAN upg 2G Turbo UWB Modem Bluetooth™ Ethernet Intel AMT Audio support | Three Mini PCI Express slots 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) Wireless WAN upgradable, requires Verizon [®] (43R9151) or AT&T [®] (43R9152) None None 56K V.92 ⁶ modem Bluetooth 2.1 wireless, LED indicator Intel 82567LM Gigabit Network Connection (Boazman), PHY, PCIe x1 Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant CX20561 codec / mono speaker, 1 watt / | Analog DB-15 monitor port DisplayPort (supports single-link DVI-D via cable 45J7915) Four USB 2.0 ports Gigabit ethernet port Microphone in and headphone out Second battery charger Requires 65 or 90 watt AC adapter 1.6 lb; 730g |
| Security Security chip Fingerprint reader | volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader on palm rest, swipe sensor, supports the security chip | 65-watt (GMA graphics) AC Adapter Climate Savers® certified EPEAT™ Gold rating ENERGY STAR® 5.0-compliant |
| 1GB PC3-8500 D 2GB PC3-8500 D ThinkPad X200 U | 3-years/1-yr battery - EasyServ™.19 depot repair service / service upgrades²² available DR3 L-H SODIMM 55Y3706 DR3 L-H SODIMM 55Y3707 IltraBase 43R8781 S on O-X200 sheet 55Y3707 ThinkPad Battery 47 (4-cell) 43R9254 ThinkPad Battery 47++ (9-cell) 43R9255 Other accessories at lenovo.com/accessories | ROHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 |

| | Disk | Optical ThinkPad | Mini PCle Mini PCle | Mini PCle Bat- | Workhorse (W) |
|--|------------------------|-------------------------|---------------------|---------------------|-----------------------|
| Proc- Wideso | reen SATA | in X200 | 802.11 WWAN | UWB Blue/ tery | Pre- Global (G) Avail |
| Type-model essor GHz Memory disp | ay GB [®] rpm | UltraBase UltraBase | wireless | or Turbo Fing cells | load date |
| 7466 4411 CLOGOO O 10 4CD 10 1 1 1 1 1 1 1 | /CA . 200CB 7000 | DVD DVV Illtro Door | * Intel E10028 None | None Ves 0 | Pro 64 No. Oot 00 |

7466-44U SL9600 2.13 4GB 12.1" WXGA+ 320GB 7200 DVD±RW UltraBase ❖ Intel 5100²⁸ None None Yes **9** Pro 64 No Oct 09

- Compared to the X200, the X200s has lighter weight, low voltage processors,
- LED backlight displays, and roll cage in display cover

 This small and medium business (SMB) model is part of the US TopSeller™ Program
- This model has a 3-years limited warranty

| Positioning Processor | An ultraportable for the executive on the move; one spindle Intel® Core™ 2 Duo processor SL9600 with low voltage, dual-core, Intel HD Boost, 1066MHz system bus, and 6MB L2 cache | Preloaded operating system ²⁰ - Genuine Windows® 7 Professional 64 |
|--|--|--|
| Memory | 4GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available | Preloaded applications¹⁴ (only some listed) • Rescue and Recovery™ |
| SATA DVD±RW Ultrabay Slim SATA disk | DVD burner (43N3214), SATA 1.5Gb/s, removable from <i>X200 UltraBase</i> Supports Ultrabay Slim devices in optional or standard <i>X200 UltraBase</i> (43R8781) 320GB ⁸ (7200 rpm) / SATA 1.5Gb/s, 9.5mm high, removable, upgradable, ThinkPad Shock Mounted Hard Drive, Active Protection System™, supports 2nd disk in optional or std <i>X200 UltraBase</i> | Access Connections[™] Password Manager ThinkVantage Power Manager ThinkVantage System Update Fingerprint Software |
| Widescreen display Camera | 12.1" (308mm) WXGA+ (1440x900) color, anti-glare, LED backlight, 250 nits, 16:10 aspect ratio, 300:1 contrast ratio None | Lenovo Online Data Backup Norton™ Internet Security 2009 Supports ThinkVantage® technologies |
| Graphics controller | r Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GS45 I External monitor support via analog VGA DB-15 connector / DisplayPort via UltraBase; Maximum external resolution: 2048x1536@75Hz | ThinkPad X200 UltraBase™ • Provides desktop expansion and |
| Keyboard TrackPoint® Touch pad ThinkLight™ | Full-size, 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass None Illuminates the keyboard to improve visibility in low-light conditions | cable management for X200 Series Easily connects to the bottom of the X200 Series for traveling Converts ThinkPad to a two-spindle |
| Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰ | without X200 UltraBase; 4-cell: 11.6" x 8.3" x 0.8-1.1"; 295mm x 210mm x 21-29mm without X200 UltraBase; 9-cell: 11.6" x 9.2" x 0.8-1.4"; 295mm x 234mm x 21-35mm 4-cell: from 2.43 lb (1.1kg); 6-cell: from 2.71 lb (1.23kg); 9-cell: from 3.05 lb (1.38kg) black Display cover: Carbon-fiber reinforced plastic (top), glass-fiber reinforced plastic (side walls); Base: Magnesium alloy Lithium lon 9-cell 4-cell: up to 4.4 hr; 6-cell: up to 8.8 hr; 9-cell: up to 13.2 hr | system with optional Ultrabay Slim accessories in right side: - CD-RW/DVD-ROM Ultrabay Slim SATA 1.5Gb/s 43N3213 - DVD Burner Ultrabay Slim SATA 1.5Gb/s 43N3214 - Serial ATA Hard Drive Bay Adapter III 43N3412 Disks supported (some): |
| Chipset | Mobile Intel GS45 Express Chipset (Graphics Memory Controller Hub), ICH9M-SFF-Enhanced I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC) | 250GB FDE 7200 rpm 43N3410 320GB Disk 7200 rpm 43N3411 Other features: |
| Media slice Multicard Reader ExpressCard/54 Ports | X200 UltraBase media slice (see right side) 5-in-1 reader (MultiMediaCard, Memory Stick, Mem Stick Pro, Secure Digital, SDHC) One slot (ExpressCard/34, ExpressCard/54) Three USB 2.0, external monitor (VGA DB-15), modem (RJ-11), ethernet (RJ-45) | Power button (front) Stereo speakers (2 watt) Security key lock, security keyhole, and optional security screw |
| Mini PCI Express Intel 5100 ²⁸ WWAN upg 2G Turbo UWB Modem Bluetooth™ Ethernet Intel AMT Audio support | Three Mini PCI Express slots 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) None None None 56K V.92 ⁶ modem Bluetooth 2.1 wireless, LED indicator Intel 82567LM Gigabit Network Connection (Boazman), PHY, PCIe x1 Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant CX20561 codec / mono speaker, 1 watt / | Analog DB-15 monitor port DisplayPort (supports single-link DVI-D via cable 45J7915) Four USB 2.0 ports Gigabit ethernet port Microphone in and headphone out Second battery charger Requires 65 or 90 watt AC adapter 1.6 lb; 730g |
| Security Security chip | volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader on palm rest, swipe sensor, supports the security chip | 65-watt (GMA graphics) AC Adapter Climate Savers® certified EPEAT™ Gold rating |
| 1GB PC3-8500 D 2GB PC3-8500 D ThinkPad X200 U | 3-years/1-yr battery - EasyServ ^{TM.19} depot repair service / service upgrades ²² available DR3 L-H SODIMM 55Y3706 DR3 L-H SODIMM 55Y3707 ThinkPad Battery 47 (4-cell) 43R9254 ItraBase 43R8781 ThinkPad Battery 47++ (9-cell) 43R9255 s on O-X200 sheet Other accessories at lenovo.com/accessories | ENERGY STAR® 5.0-compliant ROHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 |

ThinkPad® X200, X200s Accessories

| iliki du A200, A2009 Accessoi | 103 | | • | | , , |
|--|--|--|--|--|--|
| Memory 1GB PC3-8500 DDR3 SODIMM 1GB PC3-8500 DDR3 SODIMM (25-Pack) | 43R1987 ann 08/05/08 51J0551 ann 03/17/09 | Multimedia ThinkPad In-Ear Headphones | 57Y4488 | ann | 01/07/10 |
| 2GB PC3-8500 DDR3 SODIMM 2GB PC3-8500 DDR3 SODIMM (25-Pack) 1GB PC3-8500 DDR3 Low-Halogen SODIMM 1GB PC3-8500 DDR3 L-H SODIMM (25-Pack) 2GB PC3-8500 DDR3 L-H SODIMM (25-Pack) 2GB PC3-8500 DDR3 L-H SODIMM (25-Pack) | 43R1988 ann 08/05/08 51J0552 ann 03/17/09 55Y3706 ann 06/23/09 57Y4385 ann 06/23/09 55Y3707 ann 06/23/09 | Batteries ThinkPad Battery 47 (4-cell) ThinkPad Battery 47+ (6-cell) ThinkPad Battery 47++ (9-cell) ThinkPad External Battery Charger More information at www.lenovo.com/allda | 43R9253 43R9254 43R9255 40Y7625 | ann ann ann | 08/05/08 08/05/08 |
| Ultrabay Slim 9.5mm Most Ultrabay Slim accessories supported in T | hinkPad X200 UltraBase | ThinkPad 65W AC Adapter ThinkPad 90W AC Adapter 90W Ultraslim AC/DC Combo Adapter | 40Y7696 40Y7659 41R4493 | ann ann | 09/20/05 |
| Storage and removable storage | 44115000 00/00/07 | More info at www.lenovo.com/support/pov | | | 00/22/00 |
| 160GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ 160GB Disk SATA 1.5Gb/s (7200 rpm) ⁴¹ 250GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ 250GB Disk FDE SATA 1.5Gb/s (7200 rpm) ⁴¹ 320GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ | 41N5692 ann 03/20/07 41N5737 ann 10/16/07 43R8152 ann 01/15/08 43N3410 ann 01/20/09 43N3403 ann 08/05/08 | Charging tips for 90W Ultraslim AC/DC Con •iPod and iPhone Charge Tip (L10a) •Generic Micro USB charge tip (L18) | - | r 41R ann | 12/18/07 |
| 320GB Disk SATA 1.5Gb/s (7200 rpm) ⁴¹ | 43N3411 <i>ann 01/20/09</i> | More information at www.lenovopowertips | .com | | |
| 500GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ 500GB Disk SATA 3.0Gb/s (7200 rpm) ⁴¹ ⁴¹ Can be used as the main HDD or with <i>Seria</i> <i>Bay Adapter III 43N3412</i> in X200 UltraBase (| | Carrying Cases Up to 12" widescreen models: ThinkPad 12W Case Sleeve | 51J0476 | ann | 08/18/09 |
| 128GB SSD SATA 3.0Gb/s 1.8" (2.5" cover) 256GB FDE SSD SATA 3Gb/s 1.8"(2.5" cover) | 43N3406 ann 08/26/08 43N3417 ann 06/23/09 | Up to 13.3" widescreen models: ThinkPad Ultraportable Case | 41U5062 | ann | 05/13/08 |
| USB 2.0 Essential Memory Key 4GB USB 2.0 Essential Memory Key 8GB USB 2.0 Essential Memory Key 32GB USB 2.0 Ultra Secure Memory Key 1GB USB 2.0 Ultra Secure Memory Key 2GB USB 2.0 Ultra Secure Memory Key 4GB USB 2.0 Ultra Secure Memory Key 8GB | 45J7904 ann 06/24/08 45J7905 ann 07/15/08 45K1258 ann 10/28/08 45J5915 ann 08/26/08 45J5916 ann 08/26/08 45J5917 ann 08/26/08 45J5918 ann 08/26/08 | Up to 15.4" widescreen models: Lenovo Business Messenger Case Lenovo Messenger Max Lenovo Performance BackPack Checkpoint Friendly Business Topload Case ThinkPad Business Topload Case ThinkPad Business Backpack ThinkPad Deluxe Expander Case | 51J0475 41U5253 41U5254 51J0418 43R2476 43R2482 43R2478 | ann ann ann ann ann | 05/01/07 05/01/07 05/05/09 05/13/08 05/13/08 |
| USB 2.0 Portable 320GB Hard Disk USB 2.0 Portable 500GB Hard Disk USB 3.0 Portable Secure 160GB Hard Disk | 45K1689 ann 03/17/09 45K1690 ann 05/26/09 43R2018 ann 11/18/08 | ThinkPad Executive Leather Case Lenovo luxury cases at www.lenovoluxury | 43R2480 cases.com | | 05/13/08 |
| USB 2.0 Portable Secure 160GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk eSATA/USB 2.0 Secure 500GB Hard Drive USB 2.0 Super Multi-Burner Drive USB 2.0 Portable DVD Burner | 43R2019 ann 11/18/08 57Y4400 ann 01/07/10 41N5565 ann 01/23/07 43N3264 ann 01/05/10 | ThinkVision L1900p 19" Monitor ThinkVision L1951p Wide 19" Monitor | 5047HB2 4431HE1 2448HB6 | ann ann | 11/11/08 10/20/09 |
| Wireless WAN (Mini PCI Express) Only WWAN upgradable models: Verizon® WWAN UNDP Broadband Mini PCIe AT&T® WWAN HSPA Broadband Mini PCIe | 43R9151 ann 08/05/08 43R9152 ann 08/26/08 | ThinkVision L2250p Wide 22" Monitor ThinkVision L2251p Wide 22" Monitor ThinkVision L2251x Wide 22" Monitor ThinkVision L2440p Wide 24" Monitor | 2572HB6 ann 10/20/0 2572HD6 ann 10/20/0 2578HB6 ann 10/20/0 4420HB2 ann 09/17/0 | | |
| ThinkPad Expansion Lenovo® Essential Notebook Stand USB Port Replicator with Digital Video ThinkPad X200 UltraBase | 45J9292 ann 05/12/09 45K1610 ann 07/28/09 43R8781 ann 08/05/08 | Monitor Accessories ⁴⁶ Lenovo USB-to-DVI Monitor Adapter Lenovo DisplayPort to VGA Monitor Cable ⁵⁰ DisplayPort to Single-link DVI-D Cable ⁵⁰ Can only be used via ThinkPad X200 UI | 45K5296 57Y4393 45J7915 traBase (43 | ann ann | 08/04/09 08/05/08 |
| Keyboard TrackPoint Cap Collection USB Numeric Keypad Preferred Pro USB Keyboard Enhanced Performance USB Keyboard Ultraslim Wireless Keyboard and Mouse ⁵² ⁵² Wireless via 2.4GHz technology using a mid ThinkPad USB Keyboard with TrackPoint Lenovo® USB Fingerprint Keyboard | 73P2698 ann 12/16/03 33L3225 ann 05/01/00 73P5220 ann 06/21/05 73P2620 ann 03/23/04 57Y4700 ann 09/15/09 cro-size USB receiver. 55Y9003 ann 08/18/09 73P4730 ann 02/22/05 | ThinkVision USB Soundbar ThinkVision Soundbar Kensington MicroSaver Cable Lock Kensington Twin Head Cable Lock Lenovo Easy Reach Monitor Stand Radial Arm 46 Compatible on selected Lenovo and Thin More information at www.lenovo.com/supp | | ann ann ann ann ann onitors | 09/16/08 12/29/03 09/30/08 09/22/09 05/05/00 |
| Lenovo USB Smartcard Keyboard | 51J0155 ann 03/24/09 | more information at www.ienovo.com/supp | JOHUMOIM | Jiacc | essories |
| Mouse Lenovo Mini Optical Mouse - Black (USB) Lenovo Mini Optical Mouse - White (USB) Lenovo Optical Mouse (USB) Lenovo Laser Mouse (USB) ThinkPad USB Laser Mouse Lenovo ScrollPoint® Mouse (USB, Optical) ThinkPad Travel Mouse (USB, Optical) ThinkPad Bluetooth Laser Mouse | 55Y9308 ann 05/19/09 55Y9309 ann 05/19/09 06P4069 ann 05/21/03 41U3074 ann 01/23/07 57Y4635 ann 12/15/09 31P7405 ann 08/27/02 31P7410 ann 06/04/02 41U5008 ann 01/22/08 | | | | |
| Security Kensington® MicroSaver® Cable Lock Kensington Twin Head Cable Lock X200s (WXGA+), X201s 12W Privacy Filter X200/X200s (WXGA), X201 12W Privacy Filter | 73P2582 ann 12/29/03 45K1620 ann 09/30/08 43R2470 ann 08/05/08 55Y9264 ann 04/07/09 | For more information on ThinkPad accessor www.lenovo.com/support/accessories www.lenovo.com/support/notebookacceswww.lenovo.com/support/security | • | visit: | |
| USB Gemplus GemPC Smart Card Reader ExpressCard Gemplus Smart Card Reader | 41N3040 ann 02/21/06 41N3043 ann 06/27/06 | Other accessories at www.lenovo.com/acc Accessories Guide pdf at www.lenovo.com/ | | esgui | de |





Lenovo® ThinkPad X200 Tablet



Lenovo ThinkPad X200 Tablet



Lenovo ThinkPad X200 Tablet



Lenovo ThinkPad X200 Tablet



Lenovo ThinkPad X200 Tablet with ThinkPad X200 Tablet Sleeve 43R9115



Lenovo ThinkPad X200 Tablet with ThinkPad X200 Tablet Sleeve 43R9115

| Proc- Type-model essor | GHz Memory | Widescreen display | Cam | Disk SATA GB [®] rpm | Optical in UltraBase | ThinkPad X200 UltraBase | Mini PCle 802.11 wireless | Mini PCle Mini PCle Bat- WWAN UWB tery Avail or Turbo cells Preload date |
|--|---|---|--|--|--|---|--|---|
| | 2.13 2GB 12 2.13 4GB 12 2.13 2GB 12 | 2.1" WXGA <i>Entry</i> | Cam ch Cam | 160G 7200 160G 7200 | DVD±RW DVD±RW | UltraBase | ♦ Intel 5100♦ Intel 5100♦ Intel 5100 | WWAN upg None 8 XP Tab Oct 09 |
| | These sma | ll and medium busin | ess (SM | B) models a | are part of t | the US Tops | Seller™ Progı | ram |
| Processor | | 2 Duo processor sost, 1066MHz system | | | | core, | | Preloaded operating system ²⁰ - Windows® XP Tablet PC Edition |
| Memory | dual-channe Italics: | std / 4GB max ⁷ / PC I capable, two 204-pi standard memory in standard memory in | n SO-DI both so | MM sockets ckets; no so | s; ockets avail | | | 2005 preinstalled through downgrade rights in Genuine Windows 7 Professional 32 Preloaded applications ¹⁴ (only some |
| SATA DVD±RW Ultrabay Slim SATA disk | Supports Ulti 160GB ⁸ (540 SATA 1.5Gb/ | burner (43N3214), § rabay Slim devices in 00 or 7200 rpm) / ⁄s, 9.5mm high, remo Protection System™ | optional vable, u | or standard pgradable, 7 | <i>X200 Ultra</i> ΓhinkPad S | a <i>Base</i> (43R Shock Mour | R8781) nted Hard | listed) • Rescue and Recovery [™] • Access Connections [™] • Client Security Solution [™] • ThinkVantage Productivity Center • ThinkVantage System Update |
| Widescreen display | MultiTouch: All: Wide write rotat pictu | 12.1" (308mm) WXG 200 nits, 16:10 aspec 12.1" (308mm) WXG 270 nits, 16:10 aspec MultiView (indoor/outlinger touc eview (170° viewing) e on screen with state able dual swivel hir reframe mode (keybo | et ratio, 5 A (1280 et ratio, 5 tdoor), 6 eh) , anti-ref ndard d nge for to ard face | 500:1 contra (x800) TFT (500:1 contra enhanced M flective and ligitizer per ablet mode s away from | st ratio, IPS color, anti- st ratio, IPS ultiTouch anti-glare p n, pen hold (portrait or user), butto | S, frameles glare, LED S, (touchscreen protective cer in front be landscape ons on displa | es screen backlight, en support coatings, base, or | Fingerprint Software Lenovo System Toolbox ThinkPad Utilities (Power Manager and Presentation Director) Adobe® Reader® Windows Live™ Toolbar Microsoft® Office 2007 Trial (60-day) Roxio® Creator® Business Edition (DVD±RW) Roxio MyDVD® (DVD±RW) |
| Camera | | er with slide-lock, res era on top of screen, | | | | | : 33 - 330cm) | Corel® WinDVD® (DVD±RW) |
| | r Intel Graphi I External mor | cs Media Accelerat nitor support via anal ternal resolution: 204 | or 4500 og VGA | MHD (GMA DB-15 conr | 4500MHD nector / Dis |), in GS45 | , | Supports ThinkVantage® technologies ThinkPad X200 UltraBase™ |
| Keyboard TrackPoint® Touch pad ThinkLight™ | Full-size, 89- TrackPoint® p None None | -key, ThinkVantage b pointing device, "Pres | utton, sp s-to-Sel | oill-resistant, ect," Interne | mm Fn ke et Scroll Ba | ys Ir ¹³ , magnify | ying glass | Provides desktop expansion and cable management for X200 Series Easily connects to the bottom of the X200 Series for traveling |
| Dimensions ³ Weight ² Case Battery - type Battery - life ¹⁰ Chipset | without X200 4-cell: from Color: black Lithium Ion 4 4-cell: up to 6 Mobile Intel ICH9M-SFF- | O UltraBase; 4-cell: O UltraBase; 8-cell: 3.5 lb (1.6kg); 8-cell (5; Material: magnes I-cell or 8-cell 4.4 hr; 8-cell: up to 1 GS45 Express Chi I-Enhanced I/O Cont | 11.6" x from 3. from 3. fium allo 0.3 hr oset (Gr | 10.1" x 1-1.3 88 lb (1.76k y aphics Mem | 3"; 295mm g) lory Contro | x 257mm x | ¢ 26.5-33mm | Converts ThinkPad to a two-spindle system with optional Ultrabay Slim accessories in right side: CD-RW/DVD-ROM Ultrabay Slim SATA 1.5Gb/s 43N3213 DVD Burner Ultrabay Slim SATA 1.5Gb/s 43N3214 Serial ATA Hard Drive Bay Adapter III 43N3412 |
| Media slice Multicard Reader ExpressCard/54 Ports | Some: X200 5-in-1 reader One slot (Ex | urity chip, ethernet M D UltraBase media s r (MultiMediaCard, M pressCard/34, Expre 2.0, external monitor | lice (se emory S ssCard/ | Stick, Mem S 54) | Stick Pro, S | • | , | Disks supported (some): • 250GB FDE 7200 rpm 43N3410 • 320GB Disk 7200 rpm 43N3411 Other features: |
| Mini PCI Express Intel 5100 ²⁸ WWAN upg AT&T ²³ | Three Mini P 11a/b/g/n wir Some: Wire Some: Wire | PCI Express slots reless ⁴ , Mini PCIe ad less WAN upgradabl less WAN, Ericsson of BS/WCDMA/HSPA, G | apter, Integration | tel WiFi Link es <u>Verizon</u> ® Mini PCIe a | 5100, 1x2 (43R9151) dapter and | (Shirley Pe or <u>AT&T</u> ® (4 SIM, | eak) | Power button (front) Stereo speakers (2 watt) Security key lock, security keyhole, and optional security screw Analog DB-15 monitor port DisplayPort (supports single-link) |
| 2G Turbo UWB Modem Bluetooth™ Ethernet Intel AMT Audio support | None None 56K V.92 ⁶ mo Bluetooth 2. Intel 82567L Intel Active M High Definition | · | ator onnection ogy (iAN xant CX | on (Boazma //T) 20561 code | n), PHY, Poc / stereo s | Cle x1 | watt / | DisplayFort (supports single-link DVI-D via cable 45J7915) Four USB 2.0 ports Gigabit ethernet port Microphone in and headphone out Second battery charger Requires 65 or 90 watt AC adapter 1.6 lb; 730g |
| | Power-on pa Trusted Platf Fingerprint re 2-way swipe | ssword, hard disk pa orm Module, integrat eader on right base o sensor, LED indicato | ssword, ed in IC of display or / supp | supervisor H9M, TCG y / used in ta orts the sec | password, 1.2-complia ablet or not urity chip | security ke ant ebook mod | eyhole le / | 65-watt (GMA graphics) AC Adapter Climate Savers® certified EPEAT™ Gold rating ENERGY STAR® 5.0-compliant |
| Limited warranty ¹² | 3-years/1-yr | battery - EasyServ™ | ^{,19} depot | repair servi | ce / service | e upgrades | ²² available | ROHS-compliant International Warranty Service ¹⁷ |
| 1GB PC3-8500 D 2GB PC3-8500 D Other accessories | DR3 L-H SOE | DIMM 55Y370 | 7 Think | (Pad Batter) (Pad Batter) r accessorie | / 12++ (8-c | éll) | 43R9256 43R9257 essories | 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 |
| | | | | | | | | - |

| Proc- Widescreen Type-model essor GHz Memory display | Cam | Disk SATA GB [®] rpm | Optical in UltraBase | ThinkPad X200 UltraBase | Mini PCle 802.11 wireless | Mini PCle WWAN | Mini PCle Ba UWB te or Turbo ce | ry | Avail d date |
|---|-----|-------------------------------------|----------------------------|-------------------------------|---------------------------------|-------------------|---------------------------------------|--------|-----------------|
| 7449-44U SL9600 2.13 2GB 12.1" WXGA Entry | | 160G 5400 | Optional | Optional | | WWAN u | pg None 4 | Pro 32 | Oct 09 |
| 7449-4KU SL9600 2.13 2GB 12.1" WXGA MultiTouch | Cam | 160G 7200 | Optional | Optional | Intel 5100 | WWAN u | pg None 8 | Pro 32 | Oct 09 |

| Processor | Intel® Core™ 2 Duo processor SL9600 with low voltage, dual-core, Intel HD Boost, 1066MHz system bus, and 6MB L2 cache | Preloaded operating system ²⁰ - Genuine Windows [®] 7 |
|---|--|---|
| Memory | 2GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; Non-italics: standard memory in 1 socket; 1 socket available | Professional 32 Preloaded applications ¹⁴ (only some listed) |
| SATA DVD±RW Ultrabay Slim SATA disk | None Supports Ultrabay Slim devices in optional or standard <i>X200 UltraBase</i> (43R8781) 160GB ⁸ (5400 or 7200 rpm) / SATA 1.5Gb/s, 9.5mm high, removable, upgradable, ThinkPad Shock Mounted Hard Drive, Active Protection System™, supports 2nd disk in optional or std <i>X200 UltraBase</i> | Rescue and Recovery™ Access Connections™ Password Manager ThinkVantage Power Manager ThinkVantage System Update |
| Widescreen display | Entry: 12.1" (308mm) WXGA (1280x800) TFT color, anti-glare, LED backlight, 200 nits, 16:10 aspect ratio, 500:1 contrast ratio, IPS, frameless screen MultiTouch: 12.1" (308mm) WXGA (1280x800) TFT color, anti-glare, LED backlight, 270 nits, 16:10 aspect ratio, 500:1 contrast ratio, IPS, MultiView (indoor/outdoor), enhanced MultiTouch (touchscreen support pen & two-finger touch) All: WideView (170° viewing), anti-reflective and anti-glare protective coatings, write on screen with standard digitizer pen, pen holder in front base, rotatable dual swivel hinge for tablet mode (portrait or landscape) or picture frame mode (keyboard faces away from user), buttons on display bottom (power with slide-lock, reset, rotation, menu, all button lock) | Fingerprint Software ThinkVantage Toolbox Lenovo Online Data Backup Adobe® Reader® Skype™ for Windows Microsoft Research AutoCollage Touch Roxio® Creator® Business Edition (DVD±RW) Roxio MyDVD® (DVD±RW) |
| Camera | Some: camera on top of screen, 1.3-megapixel, digital zoom (focus range: 33 - 330cm) | Supports ThinkVantage® technologies |
| Graphics controller Graphics - externa | r Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GS45 I External monitor support via analog VGA DB-15 connector / DisplayPort via UltraBase; Maximum external resolution: 2048x1536@75Hz (VGA) | ThinkPad X200 UltraBase™ • Provides desktop expansion and |
| Keyboard TrackPoint® Touch pad ThinkLight™ | Full-size, 89-key, ThinkVantage button, spill-resistant, mm Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass None None | cable management for X200 Series • Easily connects to the bottom of the X200 Series for traveling • Converts ThinkPad to a two-spindle system with optional Ultrabay Slim |
| Dimensions ³ Weight ² Case Battery - type Battery - life ¹⁰ | without X200 UltraBase; 4-cell: 11.6" x 9" x 1-1.3"; 295mm x 228mm x 26.5-33mm without X200 UltraBase; 8-cell: 11.6" x 10.1" x 1-1.3"; 295mm x 257mm x 26.5-33mm 4-cell: from 3.5 lb (1.6kg); 8-cell: from 3.88 lb (1.76kg) Color: black; Material: magnesium alloy Lithium lon 4-cell or 8-cell 4-cell: up to 4.4 hr; 8-cell: up to 10.3 hr | accessories in right side: - CD-RW/DVD-ROM Ultrabay Slim SATA 1.5Gb/s 43N3213 - DVD Burner Ultrabay Slim SATA 1.5Gb/s 43N3214 - Serial ATA Hard Drive |
| Chipset | Mobile Intel GS45 Express Chipset (Graphics Memory Controller Hub), ICH9M-SFF-Enhanced I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC) | Bay Adapter III 43N3412 Disks supported (some): • 250GB FDE 7200 rpm 43N3410 |
| Media slice Multicard Reader ExpressCard/54 Ports | Optional: X200 UltraBase media slice (see right side) 5-in-1 reader (MultiMediaCard, Memory Stick, Mem Stick Pro, Secure Digital, SDHC) One slot (ExpressCard/34, ExpressCard/54) Three USB 2.0, external monitor (VGA DB-15), modem (RJ-11), ethernet (RJ-45) | 320GB Disk 7200 rpm 43N3411 Other features: Power button (front) Sterey speakers (2 watt) Serey speakers (2 watt) |
| Mini PCI Express Intel 5100 ²⁸ WWAN upg 2G Turbo UWB Modem Bluetooth™ Ethernet Intel AMT Audio support Security Security chip Fingerprint reader | Three Mini PCI Express slots 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) Wireless WAN upgradable, requires Verizon® (43R9151) or AT&T® (43R9152) None None 56K V.92® modem Bluetooth 2.1 wireless, LED indicator Intel 82567LM Gigabit Network Connection (Boazman), PHY, PCIe x1 Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / dual array mic, mic input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader on right base of display / used in tablet or notebook mode / 2-way swipe sensor, LED indicator / supports the security chip | Security key lock, security keyhole, and optional security screw Analog DB-15 monitor port DisplayPort (supports single-link DVI-D via cable 45J7915) Four USB 2.0 ports Gigabit ethernet port Microphone in and headphone out Second battery charger Requires 65 or 90 watt AC adapter 1.6 lb; 730g 65-watt (GMA graphics) AC Adapter Climate Savers® certified EPEAT™ Gold rating ENERGY STAR® 5.0-compliant |
| Limited warranty ¹² | 3-years /1-yr battery - EasyServ™.19 depot repair service / service upgrades²² available | ROHS-compliant International Warranty Service ¹⁷ |
| 2GB PC3-8500 D | DR3 L-H SODIMM DR3 L-H SODIMM Son O-X200-T sheet ThinkPad Battery 12 (4-cell) ThinkPad Battery 12++ (8-cell) 43R9257 Other accessories at lenovo.com/accessories | 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 |
| · | | |

ThinkPad® X200 Tablet Accessories

| iliki da Azoo labici Accessor | 103 | | |
|--|--|---|--|
| Memory 1GB PC3-8500 DDR3 SODIMM 1GB PC3-8500 DDR3 SODIMM (25-Pack) 2GB PC3-8500 DDR3 SODIMM (25-Pack) 1GB PC3-8500 DDR3 SODIMM (25-Pack) 1GB PC3-8500 DDR3 Low-Halogen SODIMM 1GB PC3-8500 DDR3 L-H SODIMM (25-Pack) 2GB PC3-8500 DDR3 L-H SODIMM (25-Pack) | 55Y3706 | ThinkPad Tablet Tether (3-pack) Batteries ThinkPad Battery 12 (4-cell) ThinkPad Battery 12++ (8-cell) ThinkPad External Battery Charger ⁴⁷ | 41U3143 ann 11/14/06 41U4820 ann 11/14/06 43R9256 ann 09/23/08 43R9257 ann 09/23/08 40Y7625 ann 09/20/05 |
| 2GB PC3-8500 DDR3 L-H SODIMM (25-Pack Ultrabay Slim 9.5mm Most Ultrabay Slim accessories supported in | • | More information at www.lenovo.com/allda ThinkPad 65W AC Adapter | ycomputing 40Y7696 ann 01/05/06 |
| | 41N5692 ann 03/20/07 41N5737 ann 10/16/07 43R8152 ann 01/15/08 43N3410 ann 01/20/09 43N3403 ann 08/23/09 43N3420 ann 06/23/09 43N3423 ann 01/07/10 ial ATA Hard Drive (43R8781) 43N3406 ann 08/26/08 43N3417 ann 06/23/09 45J7904 ann 06/23/09 45J7905 ann 07/15/08 45J5916 ann 08/26/08 45J5916 ann 08/26/08 45J5918 ann 08/26/08 45J5918 ann 08/26/08 45J5918 ann 03/17/09 45K1689 ann 03/17/09 45K1690 ann 05/26/09 43R2018 ann 01/07/10 41N5565 ann 01/07/10 41N5565 ann 01/07/10 43R9151 ann 08/26/08 43R9152 ann 05/12/09 45K1610 ann 07/28/09 45K1610 ann 07/28/09 43R8781 ann 08/05/08 | ThinkPad 90W AC Adapter 90W Ultraslim AC/DC Combo Adapter More info at www.lenovo.com/support/pov Charging tips for 90W Ultraslim AC/DC Come BlackBerry charge tip (L8a) iPod and iPhone Charge Tip (L10a) Generic Micro USB charge tip (L18) More information at www.lenovopowertips. Carrying Cases X200 Tablet: ThinkPad X200 Tablet Sleeve Up to 13.3" widescreen models: ThinkPad Ultraportable Case Up to 15.4" widescreen models: Lenovo Business Messenger Case Lenovo Messenger Max Lenovo Performance BackPack Checkpoint Friendly Business Topload Case ThinkPad Business Topload Case ThinkPad Business Topload Case ThinkPad Business Backpack ThinkPad Deluxe Expander Case Lenovo luxury cases at www.lenovoluxury Monitors ThinkVision* L1711p 17" Monitor ThinkVision L1900p 19" Monitor ThinkVision L2250p Wide 22" Monitor ThinkVision L2251p Wide 22" Monitor ThinkVision L2440p Wide 24" Monitor Monitor Accessories* Lenovo USB-to-DVI Monitor Adapter Lenovo DisplayPort to VGA Monitor Cable50 DisplayPort to Single-link DVI-D Cable50 50 Can only be used via ThinkPad X200 Ultra ThinkVision Soundbar ThinkVision Soundbar ThinkVision Soundbar ThinkVision Soundbar ThinkVision Twin Head Cable Lock Kensington Twin Head Cable Lock Lenovo Easy Reach Monitor Stand Radial Arm 46 Compatible on selected Lenovo and Thin More information at www.lenovo.com/support/security Other accessories at www.lenovo.com/supp | 40Y7659 |
| | | | |

ThinkPad_®



Lenovo® ThinkPad X201 (TrackPoint model)



Lenovo ThinkPad X201 with ThinkPad Battery 47++ (9-cell) 43R9255



Lenovo ThinkPad X201 (UltraNav model)



Lenovo ThinkPad X201 (UltraNav model)



ThinkPad X200 UltraBase 43R8781



ThinkPad 65W AC Adapter 40Y7696

| | Type-model | | Max Base turbo (GHz)(GHz | | Wide- screen y display | Camera | Disk SATA GB [®] rpm | Optical in UltraBase | ThinkPad X200 UltraBase | PCle Mini Card 802.11 | PCIe Mini Card WWAN | Carrier | Intel vPro | Preload | Avail date |
|-----|------------|---------|--------------------------------|-------|------------------------------|--------|-------------------------------------|----------------------------|-------------------------------|-----------------------------|---------------------------|--------------------|---------------|---------|---------------|
| | 3249-2RU | i5-540M | 2.53 3.06 | 2GB 1 | 2.1" WXGA | 2.0M | 250G 5400 | DVD±RW | UltraBase | Intel 6200 ²⁸ | WWAN upg | | vPro | XP Pro | Mar 10 |
| | 3249-2PU | i5-540M | 2.53 3.06 | 4GB 1 | 2.1" WXGA | 2.0M | 320G 7200 | DVD±RW | UltraBase | Intel 6200 | Gobi 2000 | AT&T ²³ | vPro | XP Pro | Mar 10 |
| | 3249-2SU | i5-540M | 2.53 3.06 | 2GB 1 | 2.1" WXGA | | 250G 5400 | | | Intel 6200 | WWAN upg | | vPro | XP Pro | Mar 10 |
| 133 | 3249-38U | i5-520M | 2.40 2.93 | 2GB 1 | 2.1" WXGA | ١. | 250G 5400 | | | Intel 6200 | WWAN upg | | vPro | XP Pro | Apr 10 |

| Positioning | An ultrapartable for the executive on the mayor and apindle | Prolocated exercting system ²⁰ |
|--|--|--|
| Positioning Processor | An ultraportable for the executive on the move; one spindle Intel® Core™ i5 processor i5-520M or i5-540M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology; 3MB cache | Preloaded operating system ²⁰ Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 |
| Memory | 2GB or 4GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; <i>Non-italics:</i> standard memory in 1 socket; 1 socket available | Professional 32 Preloaded applications¹⁴ (only some listed) ■ Rescue and Recovery™ |
| SATA DVD±RW Ultrabay Slim SATA disk | Some: DVD burner (43N3214), SATA 1.5Gb/s, removable from X200 UltraBase Supports Ultrabay Slim devices in optional or standard X200 UltraBase (43R8781) 250GB ⁸ (5400 rpm) or 320GB (7200 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™, supports second disk in opt or std X200 UltraBase | Access Connections[™] Client Security Solution[™] Fingerprint Software Supports ThinkVantage® technologies |
| Widescreen display Camera | 12.1" (308mm) WXGA (1280x800) TFT color, anti-glare, LED backlight, 200 nits, 16:10 aspect ratio, 250:1 contrast ratio Some: camera on top of screen, 2.0-megapixel, fixed focus | ThinkPad X200 UltraBase™ • Provides desktop expansion and |
| Integrated graphics | Intel HD Graphics in processor, external monitor support via analog VGA DB-15 connector / DisplayPort via UltraBase; supports dual independent display; Maximum external resolution: 2560x1600 (DP)@60Hz; 2048x1536(VGA)@75Hz | cable management for X200 and X201 Series • Easily connects to the bottom of the X200 or X201 Series for traveling • Converts ThinkPad to a two-spindle |
| Keyboard TrackPoint [®] Touchpad ThinkLight™ | Full-size, 89-key, ThinkVantage button, spill-resistant, mm Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling regions, multi-touch Illuminates the keyboard to improve visibility in low-light conditions | system with optional Ultrabay Slim accessories in right side: – CD-RW/DVD-ROM Ultrabay Slim SATA 1.5Gb/s 43N3213 |
| Dimensions ³ Weight ² Case Battery - type Battery - life ¹⁰ | without UltraBase; 4/6-cell: 11.6" x 8.3" x 0.8-1.4"; 295mm x 210mm x 20.7-35.3mm without UltraBase; 9-cell: 11.6" x 9.2" x 0.8-1.4"; 295mm x 233.8mm x 20.7-35.3mm 4-cell: from 2.89 lb (1.31kg); 6-cell: from 3.18 lb (1.44kg); 9-cell: from 3.52 lb (1.60kg) Color: black; Material: magnesium alloy Lithium lon 6-cell 4-cell: up to 3.4 hr; 6-cell: up to 6.7 hr; 9-cell: up to 11.3 hr | - DVD Burner Ultrabay Slim SATA 1.5Gb/s 43N3214 - Serial ATA Hard Drive Bay Adapter III 43N3412 Disks supported (some): • 250GB FDE 7200 rpm 43N3410 |
| Chipset | Mobile Intel QM57 Express Chipset | • 320GB Disk 7200 rpm 43N3411 |
| Media slice Multicard reader ExpressCard/54 Ports | Some: ThinkPad X200 UltraBase media slice (see right side) 5-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC) One slot (ExpressCard/34, ExpressCard/54) Three USB 2.0, external monitor (VGA DB-15), modem (RJ-11), ethernet (RJ-45) | Other features: • Power button (front) • Stereo speakers (2 watt) • Security key lock, security keyhole, and optional security screw |
| PCIe Mini Card Intel 6200 ²⁸ WWAN upg Gobi™ 2000 | Two PCI Express Mini Card slots 11a/b/g/n wireless, PCIe Mini Card, Intel Centrino® Advanced-N 6200, 2x2 Some: Wireless WAN upgradable Some: Wireless WAN, Qualcomm chipset, PCIe Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, contract required with service provider | Analog DB-15 monitor port DisplayPort (supports single-link DVI-D via cable 45J7915) Four USB 2.0 ports Gigabit ethernet port |
| Carrier Modem Bluetooth™ Ethernet | Some: AT&T®, contract required with service provider 56K V.92 ⁶ modem Bluetooth 2.1 wireless, LED indicator Intel 82577LM Gigabit Network Connection (Hanksville), PHY, PCIe x1 | Microphone in and headphone out Second battery charger Requires 65 or 90 watt AC adapter 1.6 lb; 730g |
| Intel AMT Audio support Security Security chip | Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant 20585 codec / stereo speaker, 1 watt x 2 / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant | 65-watt AC Adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant ROHS-compliant |
| Fingerprint reader | UPEK Fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip | International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² |
| Limited warranty" | 1-year - depot repair service / service upgrades ²² available | via 800-426-7378 |

See footnotes for important warranty information

US model announced April 6, 2010; previous models on March 2, 2010

| Type-model | | Base (GHz) | | | | Wide- screen display | Camera | SA | sk TA rpm | Optical in UltraBase | ThinkPad X200 UltraBase | PCle Mini Card 802.11 | PCIe Mini Card WWAN | Carrier | Intel vPro Preload | Avail date |
|------------|---------|---------------|------|-----|-----|----------------------------|--------|------|-----------------|----------------------------|-------------------------------|-----------------------------|---------------------------|--------------------|-----------------------|---------------|
| 3249-2EU | i5-540M | 2.53 | 3.06 | 2GB | 12. | 1" WXGA | | 250G | 5400 | | | Intel 6200 ²⁸ | WWAN upg | | vPro Pro 32 | Mar 10 |
| 3249-2FU | i5-540M | 2.53 | 3.06 | 2GB | 12. | 1" WXGA | 2.0M | 320G | 7200 | DVD±RW | UltraBase | Intel 6200 | WWAN upg | | vPro Pro 32 | Mar 10 |
| 3249-2GU | i5-540M | 2.53 | 3.06 | 4GB | 12. | 1" WXGA | 2.0M | 320G | 7200 | DVD±RW | UltraBase | Intel 6200 | Gobi 2000 | Verizon16 | vPro Pro 32 | Mar 10 |
| 3249-2HU | i5-520M | 2.40 | 2.93 | 4GB | 12. | 1" WXGA | 2.0M | 320G | 7200 | DVD±RW | UltraBase | Intel 6200 | WWAN upg | | vPro Pro 32 | Mar 10 |
| 3249-2TU | i5-540M | 2.53 | 3.06 | 4GB | 12. | 1" WXGA | 2.0M | 320G | 7200 | DVD±RW | UltraBase | WiMAX | WWAN upg | | vPro Pro 64 | Mar 10 |
| 3249-2UU | | | | | | _ | | | | | | | Gobi 2000 | AT&T ²³ | vPro Pro 64 | Mar 10 |
| 3249-2VU | i5-540M | 2.53 | 3.06 | 4GB | 12. | 1" WXGA | 2.0M | 320G | 7200 | DVD±RW | UltraBase | Intel 6200 | WWAN upg | | vPro Pro 64 | Mar 10 |
| 3249-C2U | i5-520M | 2.40 | 2.93 | 2GB | 12. | 1" WXGA | 2.0M | 160G | 7200 | | | Intel 6200 | WWAN upg | | vPro Pro 64 | Apr 10 |
| 3249-C3U | i5-520M | 2.40 | 2.93 | 2GB | 12. | 1" WXGA | 2.0M | 320G | 7200 | | | Intel 6200 | WWAN upg | | vPro Pro 64 | Apr 10 |

| Processor | An ultraportable for the executive on the move; one spindle Intel® Core™ i5 processor i5-520M or i5-540M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology; 3MB cache | Preloaded operating system ²⁰ - Some: Genuine Windows® 7 Professional 32 - Some: Genuine Windows 7 Professional 64 |
|---|--|--|
| • | 2GB or 4GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; <i>Non-italics:</i> standard memory in 1 socket; 1 socket available | Preloaded applications¹⁴ (only some listed) • Rescue and Recovery™ |
| SATA dísk | Some: DVD burner (43N3214), SATA 1.5Gb/s, removable from X200 UltraBase Supports Ultrabay Slim devices in optional or standard X200 UltraBase (43R8781) 160GB ⁸ (7200 rpm), 250GB (5400 rpm), or 320GB (7200 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™, supports second disk in opt or std X200 UltraBase | Access Connections™ Password Manager ThinkVantage Power Manager ThinkVantage System Update Fingerprint Software |
| | 12.1" (308mm) WXGA (1280x800) TFT color, anti-glare, LED backlight, 200 nits, 16:10 aspect ratio, 250:1 contrast ratio Some: camera on top of screen, 2.0-megapixel, fixed focus | Supports ThinkVantage® technologies |
| - | Intel HD Graphics in processor, | ThinkPad X200 UltraBase™ |
| graphics | external monitor support via analog VGA DB-15 connector / DisplayPort via UltraBase; supports dual independent display; Maximum external resolution: 2560x1600 (DP)@60Hz; 2048x1536(VGA)@75Hz | Provides desktop expansion and cable management for X200 and X201 Series Easily connects to the bottom of the |
| TrackPoint® Touchpad | Full-size, 89-key, ThinkVantage button, spill-resistant, mm Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling regions, multi-touch Illuminates the keyboard to improve visibility in low-light conditions | X200 or X201 Series for traveling Converts ThinkPad to a two-spindle system with optional Ultrabay Slim accessories in right side: |
| Weight ² Case Battery - type | without UltraBase; 4/6-cell: 11.6" x 8.3" x 0.8-1.4"; 295mm x 210mm x 20.7-35.3mm without UltraBase; 9-cell: 11.6" x 9.2" x 0.8-1.4"; 295mm x 233.8mm x 20.7-35.3mm 4-cell: from 2.89 lb (1.31kg); 6-cell: from 3.18 lb (1.44kg); 9-cell: from 3.52 lb (1.60kg) Color: black; Material: magnesium alloy Lithium lon 6-cell 4-cell: up to 3.4 hr; 6-cell: up to 6.7 hr; 9-cell: up to 11.3 hr | - CD-RW/DVD-ROM Ultrabay Slim SATA 1.5Gb/s 43N3213 - DVD Burner Ultrabay Slim SATA 1.5Gb/s 43N3214 - Serial ATA Hard Drive Bay Adapter III 43N3412 Disks supported (some): |
| Chipset | Mobile Intel QM57 Express Chipset | • 250GB FDE 7200 rpm 43N3410 |
| Multicard reader ExpressCard/54 | Some: ThinkPad X200 UltraBase media slice (see right side) 5-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC) One slot (ExpressCard/34, ExpressCard/54) Three USB 2.0, external monitor (VGA DB-15), modem (RJ-11), ethernet (RJ-45) | 320GB Disk 7200 rpm 43N3411 Other features: Power button (front) Stereo speakers (2 watt) |
| PCIe Mini Card Intel 6200 ²⁸ WiMAX | Two PCI Express Mini Card slots Some: 11a/b/g/n wireless, PCIe Mini Card, Intel Centrino® Advanced-N 6200, 2x2 Some: 11a/b/g/n and WiMAX wireless, PCIe Half Mini Card, Intel Centrino Advanced-N + WiMAX 6250, 2x2 AGN + 1x2 WiMAX | Security key lock, security keyhole, and optional security screw Analog DB-15 monitor port DisplayPort (supports single-link |
| WWAN upg Gobi™ 2000 | Some: Wireless WAN upgradable Some: Wireless WAN, Qualcomm chipset, PCle Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, contract required with service provider | DVI-D via cable 45J7915) • Four USB 2.0 ports • Gigabit ethernet port |
| Bluetooth™ Ethernet | Some: AT&T® or Verizon®, contract required with service provider 56K V.926 modem Bluetooth 2.1 wireless, LED indicator Intel 82577LM Gigabit Network Connection (Hanksville), PHY, PCIe x1 | Microphone in and headphone out Second battery charger Requires 65 or 90 watt AC adapter 1.6 lb; 730g |
| Audio support | Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant 20585 codec / stereo speaker, 1 watt x 2 / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole | 65-watt AC Adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant |
| Security chip Fingerprint reader | Trusted Platform Module, TCG 1.2-compliant UPEK Fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip | ROHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² |
| Limited warranty ¹² | 1-year - depot repair service / service upgrades ²² available | via 800-426-7378 |

| | Type-model Processor G | | Memory | Wide- screen display | Camera | Disk SATA Camera GB ⁸ rpm | | ThinkPad X200 UltraBase | PCle Mini Card 802.11 | PCIe Mini Card WWAN | Intel vPro Preload | | Avail date |
|----|------------------------|------|--------|----------------------------|--------|--|----------|-------------------------------|-----------------------------|---------------------------|-----------------------|--------|---------------|
| | 3249-J2U i3-330M | 2.13 | 2GB | 12.1" WXGA | None | 250G 5400 | Optional | Optional | Intel 1000 | WWAN upg | No | Pro 32 | Mar 10 |
| 13 | 3249-MCU i3-330M | 2.13 | 2GB | 12.1" WXGA | None | 160G 7200 | Optional | Optional | Intel 1000 | WWAN upg | No | Pro 64 | Apr 10 |

- These small and medium business (SMB) models are part of the US TopSeller $^{\text{\tiny TM}}$ Program

| Positioning Processor | An ultraportable for the executive on the move; one spindle Intel® Core™ i3 processor i3-330M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), | Preloaded operating system ²⁰ - Some: Genuine Windows® 7 Professional 32 |
|--|---|--|
| Memory | Hyper-Threading technology; 3MB cache 2GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; Non-italics: standard memory in 1 socket; 1 socket available | - Some: Genuine Windows 7 Professional 64 Preloaded applications ¹⁴ (only some listed) |
| SATA DVD±RW Ultrabay Slim SATA disk | Option for <i>ThinkPad X200 UltraBase</i> Supports Ultrabay Slim devices in optional or standard <i>X200 UltraBase</i> (43R8781) 160GB ⁸ (7200 rpm) or 250GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, Shock Mounted Hard Drive, Active Protection System TM , supports second disk in opt or std <i>X200 UltraBase</i> | Rescue and Recovery™ Access Connections™ Supports ThinkVantage® technologies ThinkPad X200 UltraBase™ |
| Widescreen display Camera | 12.1" (308mm) WXGA (1280x800) TFT color, anti-glare, LED backlight, 200 nits, 16:10 aspect ratio, 250:1 contrast ratio None | Provides desktop expansion and cable management for X200 and X201 Series |
| Integrated graphics | Intel HD Graphics in processor, external monitor support via analog VGA DB-15 connector / DisplayPort via UltraBase; supports dual independent display; Maximum external resolution: 2560x1600 (DP)@60Hz; 2048x1536(VGA)@75Hz | Easily connects to the bottom of the X200 or X201 Series for traveling Converts ThinkPad to a two-spindle system with optional Ultrabay Slim accessories in right side: |
| Keyboard TrackPoint® Touchpad ThinkLight™ | Full-size, 89-key, ThinkVantage button, spill-resistant, mm Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling regions, multi-touch Illuminates the keyboard to improve visibility in low-light conditions | DVD Burner Ultrabay Slim SATA 1.5Gb/s 43N3214 Serial ATA Hard Drive Bay Adapter III 43N3412 |
| Dimensions ³ Weight ² Case Battery - type Battery - life ¹⁰ | without UltraBase; 4/6-cell: 11.6" x 8.3" x 0.8-1.4"; 295mm x 210mm x 20.7-35.3mm without UltraBase; 9-cell: 11.6" x 9.2" x 0.8-1.4"; 295mm x 233.8mm x 20.7-35.3mm 4-cell: from 2.89 lb (1.31kg); 6-cell: from 3.18 lb (1.44kg); 9-cell: from 3.52 lb (1.60kg) Color: black; Material: magnesium alloy Lithium lon 6-cell 4-cell: up to 3.4 hr; 6-cell: up to 6.7 hr; 9-cell: up to 11.3 hr | Disks supported (some): • 250GB FDE 7200 rpm 43N3410 • 320GB Disk 7200 rpm 43N3411 Other features: • Power button (front) • Stereo speakers (2 watt) |
| Chipset | Mobile Intel QM57 Express Chipset | Security key lock, security keyhole, |
| Media slice Multicard reader ExpressCard/54 Ports | Option: ThinkPad X200 UltraBase media slice (see right side) 5-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC) One slot (ExpressCard/34, ExpressCard/54) Three USB 2.0, external monitor (VGA DB-15), modem (RJ-11), ethernet (RJ-45) | and optional security screw Analog DB-15 monitor port DisplayPort (supports single-link DVI-D via cable 45J7915) Four USB 2.0 ports |
| PCIe Mini Card Intel 1000 WWAN upg Modem Bluetooth™ | Two PCI Express Mini Card slots 11b/g/n wireless ⁴ , PCIe Mini Card, Intel Centrino [®] Wireless-N 1000, 1x2 Wireless WAN upgradable 56K V.92 ⁶ modem None | Gigabit ethernet port Microphone in and headphone out Second battery charger Requires 65 or 90 watt AC adapter 1.6 lb; 730g |
| Ethernet Intel AMT Audio support Security Security chip Fingerprint reader | Intel 82577LC Gigabit Network Connection (Hanksville), PHY, PCIe x1 None High Definition (HD) Audio, Conexant 20585 codec / stereo speaker, 1 watt x 2 / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant None | 65-watt AC Adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant ROHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support during the warranty period¹2 |
| Limited warranty ¹² | 1-year - depot repair service / service upgrades ²² available | via 800-426-7378 |

See footnotes for important warranty information
US model announced April 20, 2010; previous model on February 23, 2010

ThinkPad_®



Lenovo® ThinkPad X201s (TrackPoint model)



Lenovo ThinkPad X201s



Lenovo ThinkPad X201s (UltraNav model)



Lenovo ThinkPad X201s (TrackPoint model)



Lenovo ThinkPad X201s (UltraNav model)



ThinkPad Battery 47++ (9-cell) 43R9255

| | | | Max | | | Disk | Optical | ThinkPad | PCle | PCle | | Bat- | | | |
|------------|-----------|-------|---------|--------|-------------|---------------------|-----------|-----------|--------------|-----------|-------|-------|-------|---------|--------|
| | | | turbo | | Widescreen | SATA | in | X200 | Mini Card | Mini Card | Blue/ | tery | Intel | | Avail |
| Type-model | Processor | (GHz) | (GHz) I | Memory | display | GB ⁸ rpm | UltraBase | UltraBase | 802.11 | WWAN | Fing | cells | vPro | Preload | date |
| 5143-2811 | i7-640I M | 2 13 | 2 93 | 4GR | 12 1" WXGA+ | 320G 7200 | Ontional | Ontional | Intel 620028 | 3 None | Yes | 6 | vPro | Pro 32 | Mar 10 |

- Compared to the X201, the X201s has lighter weight, low voltage processors, and roll cage in display cover
 This small and medium business (SMB) model is part of the US TopSeller™ Program
 This model has a depot repair service 3-year limited warranty

| Positioning Processor | An ultraportable for the executive on the move; one spindle Intel® Core™ i7 processor i7-640LM with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology; 4MB cache | Preloaded operating system ²⁰ - Genuine Windows [®] 7 Professional 32 Preloaded applications ¹⁴ (only some |
|---|--|---|
| Memory | 4GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; ltalics: standard memory in both sockets; no sockets available | listed) ■ Rescue and Recovery™ ■ Access Connections™ |
| SATA DVD±RW Ultrabay Slim SATA disk | Option for <i>ThinkPad X200 UltraBase</i> Supports Ultrabay Slim devices in optional or standard <i>X200 UltraBase</i> (43R8781) 320GB ⁸ (7200 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, Shock Mounted Hard | Password Manager Supports ThinkVantage® technologies |
| | Drive, Active Protection System™, supports second disk in opt or std <i>X200 UltraBase</i> | ThinkPad X200 UltraBase™ |
| Widescreen display Camera | 12.1" (308mm) WXGA+ (1440x900) color, anti-glare, LED backlight, 250 nits, 16:10 aspect ratio, 300:1 contrast ratio None | Provides desktop expansion and cable management for X200 and X201 Series The state of the series of the seri |
| Integrated graphics | Intel HD Graphics in processor, external monitor support via analog VGA DB-15 connector / DisplayPort via UltraBase; supports dual independent display; Maximum external resolution: 2560x1600 (DP)@60Hz; 2048x1536(VGA)@75Hz | Easily connects to the bottom of the X200 or X201 Series for traveling Converts ThinkPad to a two-spindle system with optional Ultrabay Slim accessories in right side: |
| Keyboard TrackPoint® Touchpad ThinkLight™ | Full-size, 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling regions, multi-touch Illuminates the keyboard to improve visibility in low-light conditions | - CD-RW/DVD-ROM Ultrabay Slim SATA 1.5Gb/s 43N3213 - DVD Burner Ultrabay Slim SATA 1.5Gb/s 43N3214 |
| Dimensions ³ Weight ² Case color | without UltraBase; 4-cell: 11.6" x 8.3" x 0.8-1.1"; 295mm x 210mm x 20.7-28.7mm without UltraBase; 6-cell: 11.6" x 8.3" x 0.8-1.4"; 295mm x 210mm x 20.7-35.3mm without UltraBase; 9-cell: 11.6" x 9.2" x 0.8-1.4"; 295mm x 234mm x 20.7-35.3mm 4-cell: from 2.51 lb (1.1kg); 6-cell: from 2.79 lb (1.23kg); 9-cell: from 3.13 lb (1.39kg) black | Serial ATA Hard Drive Bay Adapter III 43N3412 Disks supported (some): 250GB FDE 7200 rpm 43N3410 320GB Disk 7200 rpm 43N3411 |
| Case material Battery - type Battery - life ¹⁰ | Display cover: Carbon-fiber reinforced plastic (top), glass-fiber reinforced plastic (side walls); Base: Magnesium alloy Lithium Ion 6-cell 4-cell: up to 3.7 hr; 6-cell: up to 7.4 hr; 9-cell: up to 12.3 hr | Other features: • Power button (front) • Stereo speakers (2 watt) • Security key lock, security keyhole, |
| Chipset | Mobile Intel QM57 Express Chipset | and optional security screw • Analog DB-15 monitor port |
| Media slice Multicard Reader ExpressCard/54 Ports | Option: ThinkPad X200 UltraBase media slice (see right side) 5-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC) One slot (ExpressCard/34, ExpressCard/54) Three USB 2.0, external monitor (VGA DB-15), modem (RJ-11), ethernet (RJ-45) | DisplayPort (supports single-link DVI-D via cable 45J7915) Four USB 2.0 ports Gigabit ethernet port |
| PCIe Mini Card Intel 6200 ²⁸ WWAN upg Modem Bluetooth™ Ethernet | Two PCI Express Mini Card slots 11a/b/g/n wireless, PCIe Mini Card, Intel Centrino® Advanced-N 6200, 2x2 None 56K V.92® modem Bluetooth 2.1 wireless, LED indicator Intel 82577LM Gigabit Network Connection (Hanksville), PHY, PCIe x1 | Microphone in and headphone out Second battery charger Requires 65 or 90 watt AC adapter 1.6 lb; 730g |
| Intel AMT Audio support Security Security chip | Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant 20585 codec / mono speaker, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant UPEK Fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip | 65-watt AC Adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant ROHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support during the warranty period¹2 |
| Limited warranty ¹² | 3-years/1-yr battery - depot repair service / service upgrades ²² available | via 800-426-7378 |

ThinkPad® X201, X201s Accessories

| Memory 1GB PC3-8500 DDR3 Low-Halogen SODIMM 1GB PC3-8500 DDR3 L-H SODIMM (25-Pack) | | Multimedia ThinkPad In-Ear Headphones | 57Y4488 ann 01/07/10 |
|--|--|---|--|
| 2GB PC3-8500 DDR3 L-H SODIMM (25-Pack) 2GB PC3-8500 DDR3 L-H SODIMM (25-Pack) 4GB PC3-8500 DDR3 Low-Halogen SODIMM | 55Y3707 ann 06/23/09 57Y4386 ann 06/23/09 | Batteries ThinkPad Battery 47 (4-cell) ThinkPad Battery 47+ (6-cell) ThinkPad Battery 47- (6-cell) | 43R9253 ann 08/05/08 43R9254 ann 08/05/08 |
| Ultrabay Slim 9.5mm Most Ultrabay Slim accessories supported in T | hinkPad X200 UltraBase | ThinkPad Battery 47++ (9-cell) ThinkPad External Battery Charger More information at your language com/alldo | 43R9255 ann 08/05/08 40Y7625 ann 09/20/05 |
| • | | More information at www.lenovo.com/allda | ycomputing |
| Storage and removable storage 160GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ 160GB Disk SATA 1.5Gb/s (7200 rpm) ⁴¹ | 41N5692 ann 03/20/07 41N5737 ann 10/16/07 | ThinkPad 65W AC Adapter ThinkPad 90W AC Adapter 90W Ultraslim AC/DC Combo Adapter | 40Y7696 ann 01/05/06 40Y7659 ann 09/20/05 41R4493 ann 09/22/09 |
| 250GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ 250GB Disk FDE SATA 1.5Gb/s (7200 rpm) ⁴¹ | 43R8152 ann 01/15/08 43N3410 ann 01/20/09 | More info at www.lenovo.com/support/pov | veradapters |
| 320GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ 320GB Disk SATA 1.5Gb/s (7200 rpm) ⁴¹ 500GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ | 43N3403 ann 08/05/08 43N3411 ann 01/20/09 43N3420 ann 06/23/09 | Charging tips for 90W Ultraslim AC/DC Com BlackBerry charge tip (L8a) iPod and iPhone Charge Tip (L10a) | nbo Adapter 41R4493 41R4478 ann 12/18/07 41R4481 ann 12/18/07 |
| 500GB Disk SATA 3.0Gb/s (7200 rpm) ⁴¹ ⁴¹ Can be used as the main HDD or with Seria Bay Adapter III 43N3412 in X200 UltraBase (| | More information at www.lenovopowertips | .com |
| 128GB SSD SATA 3.0Gb/s 1.8" (2.5" cover) 256GB FDE SSD SATA 3Gb/s 1.8"(2.5" cover) | 43N3406 ann 08/26/08 43N3417 ann 06/23/09 | Carrying Cases Up to 12" widescreen models: ThinkPad 12W Case Sleeve | 51J0476 <i>ann 08/18/09</i> |
| USB 2.0 Essential Memory Key 4GB USB 2.0 Essential Memory Key 8GB | 45J7904 ann 06/24/08 45J7905 ann 07/15/08 | Up to 13.3" widescreen models: ThinkPad Ultraportable Case | 41U5062 <i>ann 05/13/08</i> |
| USB 2.0 Essential Memory Key 32GB USB 2.0 Ultra Secure Memory Key 2GB USB 2.0 Ultra Secure Memory Key 4GB | 45K1258 ann 10/28/08 45J5916 ann 08/26/08 45J5917 ann 08/26/08 | Up to 15.4" widescreen models: Lenovo Messenger Max | 41U5253 ann 05/01/07 |
| USB 2.0 Ultra Secure Memory Key 8GB | 45J5918 ann 08/26/08 | Lenovo Performance BackPack Checkpoint Friendly Business Topload Case | 41U5254 ann 05/01/07 51J0418 ann 05/05/09 |
| USB 2.0 Portable 320GB Hard Disk USB 2.0 Portable 500GB Hard Disk | 45K1689 ann 03/17/09 45K1690 ann 05/26/09 | ThinkPad Business Topload Case | 43R2476 ann 05/13/08 43R2482 ann 05/13/08 |
| USB 2.0 Portable Secure 160GB Hard Disk | 43R2018 ann 11/18/08 | ThinkPad Business Backpack ThinkPad Deluxe Expander Case | 43R2478 ann 05/13/08 |
| USB 2.0 Portable Secure 320GB Hard Disk | 43R2019 ann 11/18/08 | ThinkPad Executive Leather Case | 43R2480 ann 05/13/08 |
| eSATA/USB 2.0 Secure 500GB Hard Drive USB 2.0 Super Multi-Burner Drive | 57Y4400 ann 01/07/10 41N5565 ann 01/23/07 | Lenovo luxury cases at www.lenovoluxury | cases.com |
| Wireless WAN (Mini PCI Express) | | Monitors ThinkVision® L1711p 17" Monitor | 5047HB2 ann 10/20/09 |
| Only WWAN upgradable models: ThinkPad Gobi™ 2000 Broadband Option | 78Y1399 ann 01/07/10 | ThinkVision L1900p 19" Monitor | 4431HE1 ann 11/11/08 |
| ThinkPad AT&T® Gobi 2000 Broadband Option | | ThinkVision L1951p Wide 19" Monitor ThinkVision L2250p Wide 22" Monitor | 2448HB6 ann 10/20/09 2572HB6 ann 10/20/09 |
| ThinkPad Expansion | 45 10000 | ThinkVision L2251p Wide 22" Monitor ThinkVision L2251x Wide 22" Monitor | 2572HD6 ann 10/20/09 2578HB6 ann 10/20/09 |
| Lenovo® Essential Notebook Stand USB Port Replicator with Digital Video | 45J9292 ann 05/12/09 45K1610 ann 07/28/09 | ThinkVision L2440p Wide 24" Monitor | 4420HB2 ann 09/17/08 |
| ThinkPad X200 UltraBase | 43R8781 ann 08/05/08 | Monitor Accessories ⁴⁶ | |
| Koyboard | | Lenovo USB-to-DVI Monitor Adapter | 45K5296 ann 05/12/09 |
| Keyboard TrackPoint Cap Collection | 73P2698 ann 12/16/03 | Lenovo DisplayPort to VGA Monitor Cable ⁵⁰ | 57Y4393 ann 08/04/09 |
| USB Numeric Keypad Preferred Pro USB Keyboard | 33L3225 ann 05/01/00 73P5220 ann 06/21/05 | DisplayPort to Single-link DVI-D Cable ⁵⁰ 50 Can only be used via ThinkPad X200 UI | 45J7915 <i>ann 08/05/08</i> traBase (43R8781) |
| Enhanced Performance USB Keyboard | 73P2620 <i>ann 03/23/04</i> | ThinkVision USB Soundbar | 40Y7616 ann 08/23/05 |
| Ultraslim Wireless Keyboard and Mouse ⁵² ⁵² Wireless via 2.4GHz technology using a mi | 57Y4700 <i>ann 09/15/09</i> cro-size USB receiver. | ThinkVision Soundbar Kensington MicroSaver Cable Lock | 45K1263 ann 09/16/08 73P2582 ann 12/29/03 |
| ThinkPad USB Keyboard with TrackPoint | 55Y9003 ann 08/18/09 | Kensington Twin Head Cable Lock | 45K1620 ann 09/30/08 |
| Lenovo® USB Fingerprint Keyboard Lenovo USB Smartcard Keyboard | 73P4730 ann 02/22/05 51J0155 ann 03/24/09 | Lenovo Easy Reach Monitor Stand Radial Arm | 55Y9258 ann 09/22/09 19K4464 ann 05/05/00 |
| Mouse | 51JU155 ANN U3/24/U9 | 46 Compatible on selected Lenovo and Thin | |
| Lenovo Mini Optical Mouse - Black (USB) | 55Y9308 ann 05/19/09 | More information at www.lenovo.com/supp | ort/monitoraccessories |
| Lenovo Mini Optical Mouse - White (USB) | 55Y9309 ann 05/19/09 | | |
| Lenovo Optical Mouse (USB) Lenovo Laser Mouse (USB) | 06P4069 ann 05/21/03 41U3074 ann 01/23/07 | | |
| ThinkPad USB Laser Mouse | 57Y4635 ann 12/15/09 | | |
| Lenovo ScrollPoint® Mouse (USB, Optical) ThinkPad Travel Mouse (USB, Optical) | 31P7405 ann 08/27/02 31P7410 ann 06/04/02 | | |
| ThinkPad Bluetooth Laser Mouse | 41U5008 ann 01/22/08 | | |
| Security Court Court Court | 7000000 - 40/00/00 | For more information on ThinkPad accessor | ies, please visit: |
| Kensington® MicroSaver® Cable Lock Kensington Twin Head Cable Lock | 73P2582 ann 12/29/03 45K1620 ann 09/30/08 | www.lenovo.com/support/accessories www.lenovo.com/support/notebookacces | ssories |
| X200s (WXGA+), X201s 12W Privacy Filter | 43R2470 ann 08/05/08 | www.lenovo.com/support/security | |
| X200/X200s (WXGA), X201 12W Privacy Filte USB Gemplus GemPC Smart Card Reader | r55Y9264 <i>ann 04/07/09</i> 41N3040 <i>ann 02/21/06</i> | Other accessories at www.lenovo.com/acc | essories |
| ExpressCard Gemplus Smart Card Reader | 41N3040 ann 06/27/06 | Accessories Guide pdf at www.lenovo.com/ | |
| | | | |
| | | | |





Lenovo® ThinkPad X201 Tablet



Lenovo ThinkPad X201 Tablet



Lenovo ThinkPad X201 Tablet



Lenovo ThinkPad X201 Tablet



Lenovo ThinkPad X201 Tablet with ThinkPad X200 Tablet Sleeve 43R9115



Lenovo ThinkPad X201 Tablet with ThinkPad X200 Tablet Sleeve 43R9115

| Type-model Processor | | Max turbo (GHz) | | Widescreen ry display | - | mera | Disk SATA GB [®] rpm | Optical in UltraBase | ThinkPac X200 UltraBas | d PCIe Mini Card e WWAN | | Bat- tery Intel cells vPro | Preload | Avail date |
|----------------------|------|-----------------------|-----|--------------------------|---------|------|-------------------------------------|----------------------------|------------------------------|-------------------------------|--------|----------------------------------|---------|---------------|
| 2985-EUU i7-640LM | 2.13 | 2.93 | 2GB | 12.1" WXGA <i>E</i> | ntry | : | 250G 5400 | | | WWAN upg | | 4 vPro | XP Pro | Mar 10 |
| 2985-EVU i7-640LM | 2.13 | 2.93 | 4GB | 12.1" WXGA E | ntry 2. | OM : | 320G 7200 | DVD ±RV | / UltraB | Gobi 2000 | AT&T23 | 8 vPro | XP Pro | Mar 10 |

| Processor I | Convertible tablet ultraportable; one spindle Intel® Core™ i7 processor i7-640LM with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology; 4MB cache | Preloaded operating system ²⁰ - Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 |
|---|---|---|
| , | 2GB or 4GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; ltalics: standard memory in both sockets; no sockets available; Non-italics: standard memory in 1 socket; 1 socket available | Professional 32 Preloaded applications¹⁴ (only some listed) • Rescue and Recovery™ |
| Ultrabay Slim SATA disk 2 | Some: DVD burner (43N3214), SATA 1.5Gb/s, removable from X200 UltraBase Supports Ultrabay Slim devices in optional or standard X200 UltraBase (43R8781) 250GB ⁸ (5400 rpm) or 320GB (7200 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™, supports second disk in opt or std X200 UltraBase | Access Connections™ Client Security Solution™ ThinkVantage Power Manager Presentation Director ThinkVantage Productivity Center ThinkVantage System Undate |
| Widescreen display | Entry: 12.1" (308mm) WXGA (1280x800) TFT color, anti-glare, LED backlight, 200 nits, 16:10 aspect ratio, 500:1 contrast ratio, PVA or IPS, frameless WideView (170° viewing), anti-reflective and anti-glare protective coatings, write on screen with standard digitizer pen, pen holder in side base (right), | Fingerprint Software Lenovo System Toolbox |
| | rotatable dual swivel hinge for tablet mode (portrait or landscape) or picture frame mode (keyboard faces away from user), buttons on display bottom | Supports ThinkVantage® technologies |
| | (power with slide-lock, reset, rotation, menu, all button lock) | ThinkPad X200 UltraBase™ • Provides desktop expansion and |
| | Some: camera on top of screen, 2.0-megapixel, fixed focus | cable management for X200 and |
| graphics e | Intel HD Graphics in processor, external monitor support via analog VGA DB-15 connector / DisplayPort via UltraBase; supports dual independent display; Maximum external resolution: 2560x1600 (DP)@60Hz; 2048x1536(VGA)@75Hz | X201 Series Easily connects to the bottom of the X200 or X201 Series for traveling Converts ThinkPad to a two-spindle |
| TrackPoint® Touchpad | Full-size, 89-key, ThinkVantage button, spill-resistant, mm Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling regions, multi-touch None | system with optional Ultrabay Slim accessories in right side: – CD-RW/DVD-ROM Ultrabay Slim SATA 1.5Gb/s 43N3213 |
| Weight ² A Case G Battery - type I | without UltraBase; 4-cell: 11.6" x 9" x 1-1.3"; 295mm x 228mm x 26.5-33.3mm without UltraBase; 8-cell: 11.6" x 10.1" x 1-1.3"; 295mm x 257mm x 26.5-33.3mm 4-cell: from 3.57 lb (1.62kg); 8-cell: from 3.96 lb (1.8kg) Color: black; Material: magnesium alloy Lithium lon 4-cell or 8-cell 4-cell: up to 3.5 hr; 8-cell: up to 7.9 hr | - DVD Burner Ultrabay Slim SATA 1.5Gb/s 43N3214 - Serial ATA Hard Drive Bay Adapter III 43N3412 Disks supported (some): • 250GB FDE 7200 rpm 43N3410 |
| Chipset I | Mobile Intel QM57 Express Chipset | 320GB Disk 7200 rpm 43N3411 Other features: |
| Multicard Reader 5 ExpressCard/54 (| Some: ThinkPad X200 UltraBase media slice (see right side) 5-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC) One slot (ExpressCard/34, ExpressCard/54) Three USB 2.0, external monitor (VGA DB-15), modem (RJ-11), ethernet (RJ-45) | Power button (front) Stereo speakers (2 watt) Security key lock, security keyhole, and optional security screw |
| Intel 6200 ²⁸ WWAN upg | Two PCI Express Mini Card slots 11a/b/g/n wireless, PCIe Mini Card, Intel Centrino® Advanced-N 6200, 2x2 Some: Wireless WAN upgradable Some: Wireless WAN, Qualcomm chipset, PCIe Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, contract required with service provider | Analog DB-15 monitor port DisplayPort (supports single-link DVI-D via cable 45J7915) Four USB 2.0 ports Gigabit ethernet port |
| Modem 5 Bluetooth™ 6 | Some: AT&T®, contract required with service provider 56K V.92® modem Bluetooth 2.1 wireless, LED indicator Intel 82577LM Gigabit Network Connection (Hanksville), PHY, PCIe x1 | Microphone in and headphone out Second battery charger Requires 65 or 90 watt AC adapter 1.6 lb; 730g |
| Intel AMT Audio support Security Security chip Fingerprint reader | Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / volume up, down, mute buttons / dual array mic, mic input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant UPEK Fingerprint reader (right base of display), used in tablet/notebook mode, 2-way swipe sensor, LED indicator, Power On Authentication, supports the security chip | 65-watt AC Adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant ROHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support during the warranty period¹2 |
| Limited warranty ¹² | 3-years/1-yr battery - depot repair service / service upgrades ²² available | via 800-426-7378 |

| | Max Camera Disk Optical ThinkPad PCle | PCIe Bat- |
|--|---|---|
| Proc- Type-model essor | Base turbo Widescreen (Mega- SATA in X200 Mini Card M | |
| 2985-C2U i7-640l 2985-C3U i7-640l 2985-C4U i7-640l 2985-C5U i7-640l 2985-C6U i7-640l 2985-C7U i7-640l 2985-EWU i7-640l 2985-EXU i7-640l | M 2.13 2.93 2GB 12.1" WXGA Entry 2.0 320G 7200 DVD±RW UltraB Intel 6200 2.1 3 2.93 4GB 12.1" WXGA Entry 2.0 320G 7200 DVD±RW UltraB Intel 6200 2.1 3 2.93 4GB 12.1" WXGA Outdoor 2.0 320G 7200 DVD±RW UltraB Intel 6200 2.1 3 2.93 4GB 12.1" WXGA Multi 2.0 250G 5400 2.0 320G 7200 Intel 6200 2.1 3 2.93 4GB 12.1" WXGA Multi 2.0 320G 7200 DVD±RW UltraB Intel 6200 2.1 3 2.93 4GB 12.1" WXGA Multi 2.0 320G 7200 DVD±RW UltraB Intel 6200 2.1 3 2.93 4GB 12.1" WXGA Entry 2.0 320G 7200 DVD±RW UltraB Intel 6200 2.1 3 2.93 4GB 12.1" WXGA Entry 2.0 320G 7200 DVD±RW UltraB Intel 6200 2.1 3 2.93 4GB 12.1" WXGA Entry 2.0 320G 7200 DVD±RW UltraB Intel 6200 2.1 3 2.93 4GB 12.1" WXGA Entry 2.0 320G 7200 DVD±RW UltraB Intel 6200 2.1 3 2.93 4GB 12.1" WXGA Multi 2.0 320G 7200 DVD±RW UltraB Intel 6200 2.1 3 2.93 4GB 12.1" WXGA Multi 2.0 320G 7200 DVD±RW UltraB Intel 6200 2.1 3 2.93 4GB 12.1" WXGA Multi 2.0 320G 7200 DVD±RW UltraB Intel 6200 2.1 3 2.93 4GB 12.1" WXGA Multi 2.0 320G 7200 DVD±RW UltraB Intel 6200 2.1 3 2.93 4GB 12.1" WXGA Multi 2.0 320G 7200 DVD±RW UltraB Intel 6200 3.1 3 2.93 4GB 12.1" WXGA Multi 2.0 320G 7200 DVD±RW UltraB Intel 6200 3.1 3 2.93 4GB 12.1" WXGA Multi 2.0 320G 7200 DVD±RW UltraB Intel 6200 3.1 3 2.93 4GB 12.1" WXGA Multi 3.0 320G 7200 DVD±RW UltraB Intel 6200 3.1 3 2.93 4GB 12.1" WXGA Multi 3.0 320G 7200 DVD±RW UltraB Intel 6200 3.1 3 2.93 4GB 12.1" WXGA Multi 3.0 320G 7200 DVD±RW UltraB Intel 6200 3.1 3 2.93 4GB 12.1" WXGA Multi 3.0 320G 7200 DVD±RW UltraB Intel 6200 3.1 3 2.93 4GB 12.1" WXGA Multi 3.0 320G 7200 DVD±RW UltraB Intel 6200 3.1 3 2.93 4GB 12.1" WXGA Multi 3.0 320G 7200 DVD±RW UltraB Intel 6200 3.1 3 2.93 4GB 12.1" WXGA Multi 3.0 320G 7200 DVD±RW UltraB Intel 6200 3.1 3 2.93 4GB 12.1" WXGA Multi 3.0 320G 7200 DVD±RW UltraB Intel 6200 3.1 3 2.93 4GB 12.1" WXGA Multi 3.0 320G 7200 DVD±RW UltraB Intel 6200 3.1 3 2.93 4GB 12.1" WXGA Multi 3.0 320G 7200 DVD±RW UltraB Intel 6200 3.1 3 2.93 4GB 12.1" WXGA Multi 3.0 320G 7200 DVD±RW UltraB Intel 6200 3.1 3 2.93 4GB 12.1" WXGA Multi 3.0 320G 7200 DVD±RW U | 3 upg 4 vPro Pro 32 Mar 1 upg 8 vPro Pro 32 Mar 1 Gobi Verizon16 8 vPro Pro 32 Mar 1 upg 8 vPro Pro 32 Mar 1 upg 8 vPro Pro 32 Mar 1 upg 8 vPro Pro 32 Mar 1 Gobi Verizon 8 vPro Pro 64 Mar 1 Gobi AT&T23 8 vPro Pro 64 Mar 1 upg 8 vPro Pro 64 Mar 1 |
| | , , , , , | |
| Positioning Processor Memory | Convertible tablet ultraportable; one spindle Intel® Core™ i7 processor i7-640LM with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology; 4MB cache 2GB or 4GB std / 8GB max² / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; Italics: standard memory in both sockets; no sockets available; | Preloaded operating system ²⁰ - Some: Genuine Windows® 7 Professional 32 - Some: Genuine Windows 7 Professional 64 Preloaded applications ¹⁴ (only som listed) |
| SATA DVD±RW Ultrabay Slim SATA disk | Non-italics: standard memory in 1 socket; 1 socket available Some: DVD burner (43N3214), SATA 1.5Gb/s, removable from X200 UltraBase Supports Ultrabay Slim devices in optional or standard X200 UltraBase (43R8781) 250GB ⁸ (5400 rpm) or 320GB (7200 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™, supports second disk in opt or std X200 UltraBase | Rescue and Recovery™ Access Connections™ Password Manager ThinkVantage Power Manager ThinkVantage System Update Fingerprint Software ThinkVantage Toolbox |
| Widescreen display | Patry: 12.1" (308mm) WXGA (1280x800) TFT color, anti-glare, LED backlight, 200 nits, 16:10 aspect ratio, 500:1 contrast ratio, PVA or IPS, frameless 12.1" (308mm) WXGA (1280x800) TFT color, anti-glare, LED backlight, 400 nits, 16:10 aspect ratio, 500:1 contrast ratio, 1.2% reflectivity, multiple anti-reflectivity layers, PVA or IPS MultiTouch: 12.1" (308mm) WXGA (1280x800) TFT color, anti-glare, LED backlight, 300 nits, 16:10 aspect ratio, 500:1 contrast ratio, PVA or IPS, enhanced MultiTouch (touchscreen support pen & two-finger touch) All: WideView (170° viewing), anti-reflective and anti-glare protective coatings, write on screen with standard digitizer pen, pen holder in side base (right), | ThinkVantage Toolbox Lenovo SimpleTap (Multi-Touch models) Adobe® Reader® Corel® WinDVD® (DVD±RW) Corel Burn.Now™ Lenovo Edition (DVD±RW) Corel DVD MovieFactory® Lenovo Edition (DVD±RW) Supports ThinkVantage® technologie |
| Camera | rotatable dual swivel hinge for tablet mode (portrait or landscape) or picture frame mode (keyboard faces away from user), buttons on display bottom (power with slide-lock, reset, rotation, menu, all button lock) Some: camera on top of screen, 2.0-megapixel, fixed focus | ThinkPad X200 UltraBase™ • Provides desktop expansion and cable management for X200 and |
| Integrated graphics | Intel HD Graphics in processor, external monitor support via analog VGA DB-15 connector / DisplayPort via UltraBase; supports dual independent display; Maximum external resolution: 2560x1600 (DP)@60Hz; 2048x1536(VGA)@75Hz | X201 Series Easily connects to the bottom of the X200 or X201 Series for traveling Converts ThinkPad to a two-spindle |
| Keyboard TrackPoint® Touchpad ThinkLight™ | Full-size, 89-key, ThinkVantage button, spill-resistant, mm Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling regions, multi-touch None | system with optional Ultrabay Slim accessories in right side: – CD-RW/DVD-ROM Ultrabay Slim SATA 1.5Gb/s 43N321 |
| Dimensions ³ Weight ² Case Battery - type Battery - life ¹⁰ | without UltraBase; 4-cell: 11.6" x 9" x 1-1.3"; 295mm x 228mm x 26.5-33.3mm without UltraBase; 8-cell: 11.6" x 10.1" x 1-1.3"; 295mm x 257mm x 26.5-33.3mm 4-cell: from 3.57 lb (1.62kg); 8-cell: from 3.96 lb (1.8kg) Color: black; Material: magnesium alloy Lithium Ion 4-cell or 8-cell 4-cell: up to 3.5 hr; 8-cell: up to 7.9 hr | DVD Burner Ultrabay Slim SATA 1.5Gb/s 43N321 Serial ATA Hard Drive Bay Adapter III 43N341 Disks supported (some): 250GB FDE 7200 rpm 43N341 320GB Disk 7200 rpm 43N341 |
| Chipset | Mobile Intel QM57 Express Chipset | Other features: |
| Media slice Multicard Reader ExpressCard/54 Ports | Some: ThinkPad X200 UltraBase media slice (see right side) 5-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC) One slot (ExpressCard/34, ExpressCard/54) Three USB 2.0, external monitor (VGA DB-15), modem (RJ-11), ethernet (RJ-45) | Power button (front) Stereo speakers (2 watt) Security key lock, security keyhole and optional security screw |
| PCIe Mini Card Intel 6200 ²⁸ WWAN upg Gobi™ 2000 | Two PCI Express Mini Card slots 11a/b/g/n wireless, PCIe Mini Card, Intel Centrino® Advanced-N 6200, 2x2 Some: Wireless WAN upgradable Some: Wireless WAN, Qualcomm chipset, PCIe Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, contract required with service provider | Analog DB-15 monitor port DisplayPort (supports single-link DVI-D via cable 45J7915) Four USB 2.0 ports Gigabit ethernet port |
| Carrier Modem Bluetooth™ Ethernet Intel AMT | Some: AT&T® or Verizon®, contract required with service provider 56K V.92® modem Bluetooth 2.1 wireless, LED indicator Intel 82577LM Gigabit Network Connection (Hanksville), PHY, PCIe x1 Intel Active Management Technology (iAMT) | Microphone in and headphone out Second battery charger Requires 65 or 90 watt AC adapte 1.6 lb; 730g |
| Audio support Security Security chip Fingerprint reader | High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / volume up, down, mute buttons / dual array mic, mic input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant UPEK Fingerprint reader (right base of display), used in tablet/notebook mode, 2-way swipe sensor, LED indicator, Power On Authentication, supports the security chip 3-years/1-yr battery - depot repair service / service upgrades ²² available | 65-watt AC Adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant ROHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support during the warranty period¹² via 800-426-7378 |

| Type-model | | Base tu | lax rbo Hz) Memo | Widescre ry display | en (Mo | mera ega- xel) | SAT | Α | Optical in IltraBase | X200 | PCle Mini Card 802.11 | | d | Bat- tery Inte cells vPr | | Avail I date |
|------------|---------|---------|------------------------|------------------------|--------|----------------------|------|------|----------------------------|----------|-----------------------------|----------------------|----------|--------------------------------|----------|-----------------|
| 2985-F2U i | 7-620LM | 2.00 2 | .80 2GB | 12.1" WXGA | Entry | 2.0 | 160G | 7200 | DVD±R\ | N UltraB | Intel 620 | D ²⁸ Gobi | Verizon1 | ¹⁶ 8 vPr | o Pro 64 | Apr 10 |
| | | | | 12.1" WXGA | | | | | | | Intel 620 | | | | | Apr 10 |
| 2985-F4U i | 7-620LM | 2.00 2 | 2.80 2GB | 12.1" WXGA | Multi | 2.0 | 320G | 7200 | DVD±R\ | N UltraB | Intel 620 |) upg | | 8 vPr | o Pro 64 | Apr 10 |

| Positioning Processor | Convertible tablet ultraportable; one spindle Intel® Core™ i7 processor i7-620LM with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology; 4MB cache | Preloaded operating system ²⁰ - Genuine Windows® 7 Professional 64 |
|--|--|---|
| Memory | 2GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; Non-italics: standard memory in 1 socket; 1 socket available | Preloaded applications¹⁴ (only some listed) ■ Rescue and Recovery™ ■ Access Connections™ |
| SATA DVD±RW Ultrabay Slim SATA disk | Some: DVD burner (43N3214), SATA 1.5Gb/s, removable from X200 UltraBase Supports Ultrabay Slim devices in optional or standard X200 UltraBase (43R8781) 160GB ⁸ (7200 rpm) or 320GB (7200 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™, supports second disk in opt or std X200 UltraBase | Password Manager ThinkVantage Power Manager ThinkVantage System Update Fingerprint Software ThinkVantage Toolbox |
| Widescreen display | Entry: 12.1" (308mm) WXGA (1280x800) TFT color, anti-glare, LED backlight, 200 nits, 16:10 aspect ratio, 500:1 contrast ratio, PVA or IPS, frameless 12.1" (308mm) WXGA (1280x800) TFT color, anti-glare, LED backlight, 400 nits, 16:10 aspect ratio, 500:1 contrast ratio, 1.2% reflectivity, multiple anti-reflectivity layers, PVA or IPS MultiTouch: 12.1" (308mm) WXGA (1280x800) TFT color, anti-glare, LED backlight, 300 nits, 16:10 aspect ratio, 500:1 contrast ratio, PVA or IPS, enhanced MultiTouch (touchscreen support pen & two-finger touch) All: WideView (170° viewing), anti-reflective and anti-glare protective coatings, write on screen with standard digitizer pen, pen holder in side base (right), | Lenovo SimpleTap (Multi-Touch models) Adobe® Reader® Corel® WinDVD® (DVD±RW) Corel Burn.Now™ Lenovo Edition (DVD±RW) Corel DVD MovieFactory® Lenovo Edition (DVD±RW) |
| | rotatable dual swivel hinge for tablet mode (portrait or landscape) or | Supports ThinkVantage® technologies |
| | picture frame mode (keyboard faces away from user), buttons on display bottom (power with slide-lock, reset, rotation, menu, all button lock) | ThinkPad X200 UltraBase™ |
| Camera | Camera on top of screen, 2.0-megapixel, fixed focus | Provides desktop expansion and cable management for X200 and |
| Integrated graphics | Intel HD Graphics in processor, external monitor support via analog VGA DB-15 connector / DisplayPort via UltraBase; supports dual independent display; Maximum external resolution: 2560x1600 (DP)@60Hz; 2048x1536(VGA)@75Hz | X201 Series Easily connects to the bottom of the X200 or X201 Series for traveling Converts ThinkPad to a two-spindle |
| Keyboard TrackPoint [®] Touchpad ThinkLight™ | Full-size, 89-key, ThinkVantage button, spill-resistant, mm Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling regions, multi-touch None | system with optional Ultrabay Slim accessories in right side: – CD-RW/DVD-ROM Ultrabay Slim SATA 1.5Gb/s 43N3213 |
| Dimensions ³ Weight ² Case Battery - type Battery - life ¹⁰ | without UltraBase; 4-cell: 11.6" x 9" x 1-1.3"; 295mm x 228mm x 26.5-33.3mm without UltraBase; 8-cell: 11.6" x 10.1" x 1-1.3"; 295mm x 257mm x 26.5-33.3mm 4-cell: from 3.57 lb (1.62kg); 8-cell: from 3.96 lb (1.8kg) Color: black; Material: magnesium alloy Lithium lon 8-cell 4-cell: up to 3.5 hr; 8-cell: up to 7.9 hr | DVD Burner Ultrabay Slim SATA 1.5Gb/s 43N3214 Serial ATA Hard Drive Bay Adapter III 43N3412 Disks supported (some): 250GB FDE 7200 rpm 43N3410 320GB Disk 7200 rpm 43N3411 |
| Chipset | Mobile Intel QM57 Express Chipset | Other features: |
| Media slice Multicard Reader ExpressCard/54 Ports PCIe Mini Card | Some: ThinkPad X200 UltraBase media slice (see right side) 5-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC) One slot (ExpressCard/34, ExpressCard/54) Three USB 2.0, external monitor (VGA DB-15), modem (RJ-11), ethernet (RJ-45) Two PCI Express Mini Card Story Late Contains Advanced N C000, 870 | Power button (front) Stereo speakers (2 watt) Security key lock, security keyhole, and optional security screw Analog DB-15 monitor port DisplayPort (supports single-link) |
| Intel 6200 ²⁸ WWAN upg Gobi™ 2000 Carrier | 11a/b/g/n wireless, PCIe Mini Card, Intel Centrino® Advanced-N 6200, 2x2 Some: Wireless WAN upgradable Some: Wireless WAN, Qualcomm chipset, PCIe Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, contract required with service provider Some: Verizon®, contract required with service provider | DVI-D via cable 45J7915) Four USB 2.0 ports Gigabit ethernet port Microphone in and headphone out |
| Modem Bluetooth™ Ethernet Intel AMT | 56K V.926 modem Bluetooth 2.1 wireless, LED indicator Intel 82577LM Gigabit Network Connection (Hanksville), PHY, PCIe x1 Intel Active Management Technology (iAMT) | Second battery charger Requires 65 or 90 watt AC adapter 1.6 lb; 730g |
| Audio support Security Security chip Fingerprint reader | High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / volume up, down, mute buttons / dual array mic, mic input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant UPEK Fingerprint reader (right base of display), used in tablet/notebook mode, 2-way swipe sensor, LED indicator, Power On Authentication, supports the security chip 3-years/1-yr battery - depot repair service / service upgrades ²² available | 65-watt AC Adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant ROHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support during the warranty period¹² via 800-426-7378 |
| Entition warranty | yours, i yi battory acportopan sorvice / service appraces available | via 000-420-7378 |

ThinkPad® X201 Tablet Accessories

| Memory 1GB PC3-8500 DDR3 Low-Halogen SODIMM 1GB PC3-8500 DDR3 L-H SODIMM (25-Pack 2GB PC3-8500 DDR3 Low-Halogen SODIMM |) 57Y4385 ann 06/23/09 55Y3707 ann 06/23/09 | Tablet ThinkPad Digitizer Pen ThinkPad Tablet Tether (3-pack) | 41U3143 ann 11/14/06 41U4820 ann 11/14/06 |
|---|---|---|--|
| 2GB PC3-8500 DDR3 L-H SODIMM (25-Pack 4GB PC3-8500 DDR3 Low-Halogen SODIMM | | Batteries ThinkPad Battery 12 (4-cell) ThinkPad Battery 12++ (8-cell) | 43R9256 ann 09/23/08 43R9257 ann 09/23/08 |
| Ultrabay Slim 9.5mm Most Ultrabay Slim accessories supported in T | hinkPad X200 UltraBase | Think ad Battery 12++ (6 ccli) ThinkPad External Battery Charger ⁴⁷ ⁴⁷ Only supports <i>ThinkPad Battery 12 (4-ce</i> | |
| Storage and removable storage | | More information at www.lenovo.com/allda | ycomputing |
| 160GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ 160GB Disk SATA 1.5Gb/s (7200 rpm) ⁴¹ 250GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ | 41N5692 ann 03/20/07 41N5737 ann 10/16/07 43R8152 ann 01/15/08 | ThinkPad 65W AC Adapter ThinkPad 90W AC Adapter 90W Ultraslim AC/DC Combo Adapter | 40Y7696 ann 01/05/06 40Y7659 ann 09/20/05 41R4493 ann 09/22/09 |
| 250GB Disk FDE SATA 1.5Gb/s (7200 rpm) ⁴¹ 320GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ | 43N3410 ann 01/20/09 43N3403 ann 08/05/08 | More info at www.lenovo.com/support/pov | veradapters |
| 320GB Disk SATA 1.5Gb/s (7200 rpm) ⁴¹ 500GB Disk SATA 1.5Gb/s (5400 rpm) ⁴¹ 500GB Disk SATA 3.0Gb/s (7200 rpm) ⁴¹ ⁴¹ Can be used as the main HDD or with <i>Seri</i> . | 43N3411 ann 01/20/09 43N3420 ann 06/23/09 43N3423 ann 01/07/10 al ATA Hard Drive | Charging tips for 90W Ultraslim AC/DC Com BlackBerry charge tip (L8a) iPod and iPhone Charge Tip (L10a) More information at www.lenovopowertips | 41R4478 ann 12/18/07 41R4481 ann 12/18/07 |
| Bay Adapter III 43N3412 in X200 UltraBase (| (43R8781) | wore information at www.ienovopowertips | .com |
| 128GB SSD SATA 3.0Gb/s 1.8" (2.5" cover) 256GB FDE SSD SATA 3Gb/s 1.8"(2.5" cover) | | Carrying Cases X200 Tablet: ThinkPad X200 Tablet Sleeve | 43R9115 ann 09/23/08 |
| USB 2.0 Essential Memory Key 4GB USB 2.0 Essential Memory Key 8GB USB 2.0 Essential Memory Key 32GB | 45J7904 ann 06/24/08 45J7905 ann 07/15/08 45K1258 ann 10/28/08 | Up to 13.3" widescreen models: ThinkPad Ultraportable Case | 41U5062 ann 05/13/08 |
| USB 2.0 Ultra Secure Memory Key 2GB USB 2.0 Ultra Secure Memory Key 4GB USB 2.0 Ultra Secure Memory Key 8GB | 45J5916 ann 08/26/08 45J5917 ann 08/26/08 45J5918 ann 08/26/08 | Up to 15.4" widescreen models: Lenovo Business Messenger Case | 51J0475 ann 08/18/09 |
| USB 2.0 Portable 320GB Hard Disk | 45K1689 ann 03/17/09 | Lenovo Messenger Max Lenovo Performance BackPack Checkpoint Friendly Business Topload Case | 41U5253 ann 05/01/07 41U5254 ann 05/01/07 |
| USB 2.0 Portable 500GB Hard Disk USB 2.0 Portable Secure 160GB Hard Disk | 45K1690 ann 05/26/09 43R2018 ann 11/18/08 | ThinkPad Business Topload Case | 43R2476 ann 05/13/08 |
| USB 2.0 Portable Secure 320GB Hard Disk | 43R2019 ann 11/18/08 | ThinkPad Business Backpack | 43R2482 ann 05/13/08 43R2478 ann 05/13/08 |
| eSATA/USB 2.0 Secure 500GB Hard Drive USB 2.0 Super Multi-Burner Drive | 57Y4400 ann 01/07/10 41N5565 ann 01/23/07 | ThinkPad Deluxe Expander Case ThinkPad Executive Leather Case | 43R2480 ann 05/13/08 |
| Wireless WAN (Mini PCI Express) | | Lenovo luxury cases at www.lenovoluxuryo | cases.com |
| Only WWAN upgradable models: ThinkPad Gobi™ 2000 Broadband Option | 78Y1399 ann 01/07/10 | Monitors | |
| ThinkPad AT&T® Gobi 2000 Broadband Option | | ThinkVision® L1711p 17" Monitor ThinkVision L1900p 19" Monitor | 5047HB2 <i>ann 10/20/09</i> 4431HE1 <i>ann 11/11/08</i> |
| ThinkPad Expansion | | ThinkVision L1951p Wide 19" Monitor | 2448HB6 ann 10/20/09 |
| Lenovo® Essential Notebook Stand USB Port Replicator with Digital Video | 45J9292 ann 05/12/09 45K1610 ann 07/28/09 | ThinkVision L2250p Wide 22" Monitor ThinkVision L2251p Wide 22" Monitor | 2572HB6 ann 10/20/09 2572HD6 ann 10/20/09 |
| ThinkPad X200 UltraBase | 43R8781 ann 08/05/08 | ThinkVision L2251x Wide 22" Monitor ThinkVision L2440p Wide 24" Monitor | 2578HB6 ann 10/20/09 4420HB2 ann 09/17/08 |
| Keyboard | | • | 442011B2 WIII 00/17/00 |
| TrackPoint Cap Collection | 73P2698 ann 12/16/03 | Monitor Accessories ⁴⁶ Lenovo USB-to-DVI Monitor Adapter | 45K5296 ann 05/12/09 |
| USB Numeric Keypad Preferred Pro USB Keyboard | 33L3225 ann 05/01/00 73P5220 ann 06/21/05 | Lenovo DisplayPort to VGA Monitor Cable ⁵⁰ DisplayPort to Single-link DVI-D Cable ⁵⁰ | 57Y4393 ann 08/04/09 45J7915 ann 08/05/08 |
| Enhanced Performance USB Keyboard Ultraslim Wireless Keyboard and Mouse ⁵² | 73P2620 ann 03/23/04 57Y4700 ann 09/15/09 | 50 Can only be used via ThinkPad X200 Ultra | |
| 52 Wireless via 2.4GHz technology using a mi | cro-size USB receiver. | ThinkVision USB Soundbar | 40Y7616 ann 08/23/05 |
| ThinkPad USB Keyboard with TrackPoint Lenovo® USB Fingerprint Keyboard | 55Y9003 ann 08/18/09 73P4730 ann 02/22/05 | ThinkVision Soundbar Kensington MicroSaver Cable Lock | 45K1263 ann 09/16/08 73P2582 ann 12/29/03 |
| Lenovo USB Smartcard Keyboard | 51J0155 ann 03/24/09 | Kensington Twin Head Cable Lock | 45K1620 ann 09/30/08 |
| Mouse | | Lenovo Easy Reach Monitor Stand Radial Arm | 55Y9258 ann 09/22/09 19K4464 ann 05/05/00 |
| Lenovo Mini Optical Mouse - Black (USB) Lenovo Mini Optical Mouse - White (USB) | 55Y9308 ann 05/19/09 55Y9309 ann 05/19/09 | ⁴⁶ Compatible on selected Lenovo and Thin | kVision monitors. |
| Lenovo Optical Mouse (USB) | 06P4069 ann 05/21/03 | More information at www.lenovo.com/supp | ort/monitoraccessories |
| Lenovo Laser Mouse (USB) ThinkPad USB Laser Mouse | 41U3074 ann 01/23/07 57Y4635 ann 12/15/09 | | |
| Lenovo ScrollPoint® Mouse (USB, Optical) | 31P7405 ann 08/27/02 | | |
| ThinkPad Travel Mouse (USB, Optical) ThinkPad Bluetooth Laser Mouse | 31P7410 ann 06/04/02 41U5008 ann 01/22/08 | | |
| Security | | | |
| Kensington® MicroSaver® Cable Lock Kensington Twin Head Cable Lock | 73P2582 ann 12/29/03 45K1620 ann 09/30/08 | For more information on ThinkPad accessor www.lenovo.com/support/accessories | ies, please visit: |
| USB Gemplus GemPC Smart Card Reader | 41N3040 ann 02/21/06 | www.lenovo.com/support/notebookacces | ssories |
| ExpressCard Gemplus Smart Card Reader | 41N3043 ann 06/27/06 | www.lenovo.com/support/security | |
| Multimedia ThinkPad In-Ear Headphones | 57Y4488 ann 01/07/10 | Other accessories at www.lenovo.com/acc Accessories Guide pdf at www.lenovo.com/ | |
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Lenovo ThinkPad X301



Lenovo ThinkPad X301



Lenovo ThinkPad X301



Lenovo ThinkPad X301



USB Port Replicator with Digital Video 45K1610

| Type-model | Low Voltage proc- esssor GHz | | Wide- screen display | | Camera | Disk SATA GB [®] RPM | EIDE optical | Mini PCle 802.11 wireless | Mini PCIe WWAN | Mini PCle UWB or Turbo | Avail date | | | |
|------------|------------------------------------|------|----------------------------|---|--------|-------------------------------------|-----------------|---|----------------------------------|------------------------------|---------------|---|--------|--------|
| 2776-3BU | SU9600 | 1.60 | 2GB | 13.3" WXGA+ 13.3" WXGA+ 13.3" WXGA+ | Cam | 80GB SSD | DVD ±RW | Intel 5100²⁸ Intel 5100 Intel 5100 | WWAN upg WWAN upg WWAN upg | None | Yes | 6 | XP Pro | Oct 09 |

| Positioning Processor | Thin and light; two spindles Intel® Core™ 2 Duo processor SU9600 with ultra low voltage, dual-core, Intel HD Boost, 800MHz system bus, and 3MB L2 cache | Preloaded operating system ²⁰ - Windows® XP Professional preinstalled through downgrade |
|---|--|--|
| Memory | 2GB or 4GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; ltalics: standard memory in both sockets; no sockets available; Non-italics: standard memory in 1 socket; 1 socket available | rights in Genuine Windows 7 Professional 32 Preloaded applications ¹⁴ (only some listed) |
| EIDE DVD±RW Option Bay Serial ATA disk | Ultrathin DVD burner, 7mm high, removable from Option Bay, tray-in Modular bay for devices (DVD burner, battery), 7mm high Some: 80GB ⁸ or 128GB Solid State Drive (SSD) / SATA 3.0Gb/s Some: 250GB (5400 rpm) / SATA 1.5Gb/s, Active Protection System™ All: 1.8" wide, 8mm high, removable, upgradable, shock mounted storage | Rescue and Recovery™ Access Connections™ Client Security Solution™ ThinkVantage Productivity Center ThinkVantage System Update |
| Widescreen display Camera | 13.3" (338mm) WXGA+ (1440x900) TFT color, anti-glare, LED backlight, 300 nits, 16:10 aspect ratio, 250:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus, USB 2.0 | Fingerprint Software (fingerprint models) McAfee VirusScan® Plus with SiteAdvisor™ (30 days of |
| Integrated graphics | Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GS45 External monitor support via analog VGA DB-15 connector or DisplayPort (supports single-link DVI-D via cable 45J7915); Maximum external resolution: 2048x1536@75Hz (VGA, DisplayPort) | virus definitions) • Lenovo System Toolbox • ThinkPad Utilities (Power Manager and Presentation Director) |
| Keyboard TrackPoint® Touch pad ThinkLight™ | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys, illuminated buttons (Power, ThinkVantage, Mute, and CapsLk) TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label, suppots multi-touch function Illuminates the keyboard to improve visibility in low-light conditions | Adobe® Reader® Windows Live™ Toolbar Microsoft® Office 2007 Trial (60-day) Roxio® Creator® Business Edition (DVD±RW) Roxio®UDVD® (DVD±RW) Roxio®UDVD® (DVD±RW) |
| Dimensions ³ Weight ² Case color Case material Battery - type | 3-cell: (WxDxH): 12.5" x 9.09" x 0.73-0.92"; 318mm x 231mm x 18.6-23.4mm 6-cell: (WxDxH): 12.5" x 9.09" x 0.85-0.92"; 318mm x 231mm x 18.6-25.9mm 3-cell: from 3.16 lb (1.43kg); 6-cell: from 3.35 (1.52kg) Black Display cover: Carbon-fiber reinforced plastic (top), glass-fiber reinforced plastic (side walls); Base: Magnesium alloy Lithium lon 6-cell, supports optional Option Bay 3-cell battery (for two batteries) | Corel® WinDVD® (DVD±RW) |
| Battery - life ¹⁰ Chipset | 3-cell: up to 3.4 hr; 6-cell: up to 5.5 hr; 6-cell and Option Bay battery: up to 9.5 hr Mobile Intel GS45 Express Chipset (Graphics Memory Controller Hub); | Supports ThinkVantage® technologies |
| ExpressCard Multicard reader Ports Wireless antenna Mini PCI Express | ICH9M-SFF-Enhanced I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCl Express® 1.1, PCI 2.3, security chip, ethernet MAC), Marvell® SATA-to-EIDE bridge (for optical) None None Three USB 2.0, external monitor (VGA DB-15, DisplayPort), ethernet (RJ-45) UltraConnect™ II Antenna / on-off switch for all wireless radios Three Mini PCI Express slots / 802.11 and WWAN are customer upgradable | 65-watt (GMA graphics) AC Adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support during the warranty period¹2 |
| Intel 5100 ²⁸ WWAN upg Turbo Memory | 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Śhĭrley Peak) Wireless WAN upgradable, requires <u>Verizon</u> ® (43R9151) or <u>AT&T</u> ® (43R9152) None | via 800-426-7378 ThinkPlus™.22 3-year LOR24 9x5 NBD 41C9176 |
| UWB Modem | None None (use optional USB-based modem) | ThinkPlus 4-year LOR 9x5 NBD 41C9177 |
| Bluetooth™ Ethernet | Bluetooth 2.1 wireless, USB 2.0 interface via ICH, LED indicator Intel 82567LM Gigabit Network Connection (Boazman), PHY, PCIe x1 | ThinkPlus 5-year LOR 9x5 NBD 41C9179 |
| Intel AMT Audio support | Intel Active Management Technology (iAMT) High Definition (HD) Audio, AD1984A codec / stereo speakers, 1 watt / volume up, | ThinkPlus 4-year P&L P/U Depot 41C9178 |
| Security Security chip Fingerprint reader | down, mute buttons / digital microphone, mic input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader on palm rest, swipe sensor, supports the security chip | ThinkPlus 5-year P&L P/U Depot 41C9180 Post-warranty annual maintenance |
| Limited warranty ¹² | 3-years/1-yr battery - depot repair service / service upgrades ²² available | agreements at lenovo.com/thinkplus/warranty |
| | | 0.1 |

| | Low Voltage proc- Type-model esssor (| | | Memory | Wide- screen display | Camera | Disk SATA GB [®] RPM | EIDE optical | Mini PCle 802.11 wireless | WWAN | Mini PCle UWB or Turbo | Blue/ | | | Avail date |
|-----|---|--------|------|--------|----------------------------|--------|-------------------------------------|-----------------|---------------------------------|-----------------------|------------------------------|-------|---|--------|---------------|
| | 2776-3DU | SU9600 | 1.60 | 4GB | 13.3" WXGA+ | Cam | 128GB SSD | DVD±RW | ♣ Intel 5100 ²⁸ | AT&T ²³ | None | Yes | 6 | Pro 64 | Oct 09 |
| | | | | | 13.3" WXGA+ | | | | ◆ WiMAX | WWAN upg | | | | Pro 32 | Nov 09 |
| 132 | 2776-3PU | SU9600 | 1.60 | 2GB | 13.3" WXGA+ | Cam | 128GB SSD | DVD±RW | Intel 5100 | Verizon ¹⁶ | None | Yes | 6 | Pro 32 | Nov 09 |

| Positioning Processor | Thin and light; two spindles Intel® Core™ 2 Duo processor SU9600 with ultra low voltage, dual-core, Intel HD Boost, 800MHz system bus, and 3MB L2 cache | Preloaded operating system ²⁰ - Some: Genuine Windows® 7 Professional 32 |
|---|--|---|
| Memory | 2GB or 4GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; ltalics: standard memory in both sockets; no sockets available; standard memory in one socket; one socket available | - Some: Genuine Windows 7 Professional 64 Preloaded applications ¹⁴ (all OSes; only some listed) |
| EIDE DVD±RW Option Bay Serial ATA disk | Ultrathin DVD burner, 7mm high, removable from Option Bay, tray-in Modular bay for devices (DVD burner, battery), 7mm high 128GB [®] Solid State Drive (SSD) / SATA 3.0Gb/s, 1.8" wide, 8mm high, removable, upgradable, shock mounted storage | Rescue and Recovery™ Access Connections™ Password Manager ThinkVantage Power Manager ThinkVantage System Undate |
| Widescreen display Camera | 13.3" (338mm) WXGA+ (1440x900) TFT color, anti-glare, LED backlight, 300 nits, 16:10 aspect ratio, 250:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus, USB 2.0 | ThinkVantage System Update Fingerprint Software (fingerprint models) ThinkVantage Toolbox |
| Integrated graphics | Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GS45 External monitor support via analog VGA DB-15 connector or DisplayPort (supports single-link DVI-D via cable 45J7915); Maximum external resolution: 2048x1536@75Hz (VGA, DisplayPort) | Lenovo Online Data Backup Norton™ Internet Security 2009 (30 days of virus definitions) Adobe® Reader® |
| Keyboard | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys, | Adobe Flash® Player Skype™ for Windows |
| TrackPoint® Touch pad | illuminated buttons (Power, ThinkVantage, Mute, and CapsLk) TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label, suppots multi-touch function | Microsoft® Office 2007 Trial (60-day) Microsoft Research AutoCollage Touch |
| ThinkLight™ | Illuminates the keyboard to improve visibility in low-light conditions | Roxio® Creator® Business Edition (DVD±RW) |
| Dimensions ³ Weight ² | 3-cell: (WxDxH): 12.5" x 9.09" x 0.73-0.92"; 318mm x 231mm x 18.6-23.4mm 6-cell: (WxDxH): 12.5" x 9.09" x 0.85-0.92"; 318mm x 231mm x 18.6-25.9mm 3-cell: from 3.16 lb (1.43kg); 6-cell: from 3.35 (1.52kg) | Roxio MyDVD® (DVD±RW) Corel® WinDVD® (DVD±RW) |
| Case color | Black | |
| Case material | Display cover: Carbon-fiber reinforced plastic (top), glass-fiber reinforced plastic (side walls); Base: Magnesium alloy | |
| Battery - type Battery - life ¹⁰ | Lithium Ion 6-cell , supports optional Option Bay 3-cell battery (for two batteries) 3-cell: up to 3.4 hr; 6-cell: up to 5.5 hr; 6-cell and Option Bay battery: up to 9.5 hr | |
| Chipset | Mobile Intel GS45 Express Chipset (Graphics Memory Controller Hub); ICH9M-SFF-Enhanced I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC), Marvell® SATA-to-EIDE bridge (for optical) | |
| ExpressCard Multicard reader | None None | |
| Ports | Three USB 2.0, external monitor (VGA DB-15, DisplayPort), ethernet (RJ-45) | Supports ThinkVantage® technologies |
| Wireless antenna Mini PCI Express Intel 5100 ²⁸ WiMAX | UltraConnect™ II Antenna / on-off switch for all wireless radios Three Mini PCI Express slots / 802.11 and WWAN are customer upgradable Some: 11a/b/g/n wireless⁴, Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) Some: 11a/b/g/n and WiMAX wireless⁴, Mini PCIe adap, Intel WiMAX/WiFi Link 5150, 1x2 (300Mbps) WiFi + 1x2 WiMAX (Echo Peak) | 65-watt (GMA graphics) AC Adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant |
| WWAN upg Verizon ¹⁶ | Some: Wireless WAN upgradable, requires Verizon® (43R9151) or AT&T® (43R9152) Some: Wireless WAN, Qualcomm chipset, Mini PCle adapter and SIM, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, service contract required with Verizon | International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² |
| AT&T ²³ | Some: Wireless WAN, Ericsson chipset, Mini PCIe adapter and SIM, GPRS/WCDMA/HSPA, GPS, service contract required with AT&T | via 800-426-7378 |
| Turbo Memory UWB | None None | ThinkPlus ^{™. 22} 3-year LOR ²⁴ 9x5 NBD 41C9176 ThinkPlus 4-year LOR 9x5 NBD |
| Modem Bluetooth™ | None (use optional USB-based modem) Bluetooth 2.1 wireless, USB 2.0 interface via ICH, LED indicator | 41C9177 ThinkPlus 5-year LOR 9x5 NBD |
| Ethernet Intel AMT Audio support | Intel 82567LM Gigabit Network Connection (Boazman), PHY, PCIe x1 Intel Active Management Technology (iAMT) High Definition (HD) Audio, AD1984A codec / stereo speakers, 1 watt / volume up, | 41C9179 ThinkPlus 4-year P&L P/U Depot 41C9178 |
| Security | down, mute buttons / digital microphone, mic input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole | ThinkPlus 5-year P&L P/U Depot |
| Security chip Fingerprint reader | Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader on palm rest, swipe sensor, supports the security chip | 41C9180 Post-warranty annual maintenance agreements at |
| Limited warranty ¹² | 3-years/1-yr battery - depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty |

ThinkPad® X300, X301 Accessories

| Memory X300: 1GB PC2-5300 DDR2 SODIMM 1GB PC2-5300 DDR2 SODIMM (25-Pack) 2GB PC2-5300 DDR2 SODIMM 2GB PC2-5300 DDR2 SODIMM (25-Pack) | 40Y7734 a 51J0502 a 40Y7735 a 51J0548 a | ann (ann 1 | 03/17/09 11/28/06 | Batteries ThinkPad Battery 49 (3-cell) ThinkPad Battery 49+ (6-cell) ThinkPad Battery 50 (3-cell, bay) ThinkPad External Battery Charger More information at www.lenovo.com/allda | 43R1965 43R1967 43R1966 40Y7625 | ann ann ann | 02/26/08 02/26/08 |
|--|---|--|--|---|--|---|--|
| X301: | | | | wore information at www.ienovo.com/anda | ycomputii | ıg | |
| 1GB PC3-8500 DDR3 SODIMM 1GB PC3-8500 DDR3 SODIMM (25-Pack) 2GB PC3-8500 DDR3 SODIMM | 43R1987 <i>a</i> 51J0551 <i>a</i> 43R1988 <i>a</i> | ann (ann (| 03/17/09 08/05/08 | ThinkPad 65W AC Adapter ThinkPad 90W AC Adapter 90W Ultraslim AC/DC Combo Adapter | 40Y7696 40Y7659 41R4493 | ann ann | 09/20/05 |
| 2GB PC3-8500 DDR3 SODIMM (25-Pack) | 51J0552 a | | | More info at www.lenovo.com/support/pov | veradapte | rs | |
| 1GB PC3-8500 DDR3 Low-Halogen SODIMM 1GB PC3-8500 DDR3 L-H SODIMM (25-Pack 2GB PC3-8500 DDR3 Low-Halogen SODIMM 2GB PC3-8500 DDR3 L-H SODIMM (25-Pack |)57Y4385 <i>a</i> 55Y3707 <i>a</i> | ann (ann (| 06/23/09 06/23/09 | Charging tips for 90W Ultraslim AC/DC Com •Palm device charge tip (L7) •BlackBerry charge tip (L8a) •iPod and iPhone Charge Tip (L10a) •Generic Micro USB charge tip (L18) | bo Adapte 41R4315 41R4478 41R4481 41R4490 | ann ann ann | 12/18/07 12/18/07 12/18/07 |
| Storage and removable storage X301: | | | | More information at www.lenovopowertips | | | |
| 1.8" 250GB Disk SATA 3.0Gb/s (5400 rpm) | 43N3418 a | ann C | 06/23/09 | | .com | | |
| All: 128GB SSD SATA 3.0Gb/s 1.8" (2.5" cover) 256GB FDE SSD SATA 3Gb/s 1.8"(2.5" cover) | 43N3406 <i>a</i> 43N3417 <i>a</i> | | | Carrying Cases Up to 13.3" widescreen models: ThinkPad Ultraportable Case | 41U5062 | ann | 05/13/08 |
| USB 2.0 Essential Memory Key 4GB USB 2.0 Essential Memory Key 8GB USB 2.0 Essential Memory Key 32GB USB 2.0 Ultra Secure Memory Key 1GB USB 2.0 Ultra Secure Memory Key 2GB USB 2.0 Ultra Secure Memory Key 4GB USB 2.0 Ultra Secure Memory Key 8GB | 45J7904 & 45J7905 & 45K1258 & 45J5915 & 45J5917 & 45J5918 & 6 | ann (ann 1 ann (ann (ann (| 07/15/08 10/28/08 08/26/08 08/26/08 08/26/08 | Up to 15.4" widescreen models: ThinkPad 15W Case Sleeve Lenovo Business Messenger Case Lenovo Messenger Max Lenovo Performance BackPack Checkpoint Friendly Business Topload Case ThinkPad Business Topload Case ThinkPad Business Backpack | 51J0477 51J0475 41U5253 41U5254 51J0418 43R2476 43R2482 | ann ann ann ann ann | 05/01/07 05/05/09 05/13/08 |
| USB 2.0 Portable 320GB Hard Disk USB 2.0 Portable 500GB Hard Disk USB 2.0 Portable Secure 160GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk | 45K1689 & 45K1690 & 43R2018 & 43R2019 & 43R2019 | ann (ann 1 | 05/26/09 11/18/08 | ThinkPad Business Backpack ThinkPad Deluxe Expander Case ThinkPad Executive Leather Case Lenovo luxury cases at www.lenovoluxuryo | 43R2478 43R2480 | ann ann | 05/13/08 |
| eSATA/USB 2.0 Secure 500GB Hard Drive USB 2.0 Super Multi-Burner Drive USB 2.0 Portable DVD Burner | 57Y4400 a 41N5565 a 43N3264 a | ann (ann (| 01/07/10 01/23/07 | Monitors ThinkVision® L1711p 17" Monitor ThinkVision L1900p 19" Monitor | 5047HB2 4431HE1 | | |
| Wireless WAN (Mini PCI Express) X301 WWAN upgradable models: Verizon® WWAN UNDP Broadband Mini PCIe AT&T® WWAN HSPA Broadband Mini PCIe | 43R9151 <i>a</i> 43R9152 <i>a</i> | | | ThinkVision L1951p Wide 19" Monitor ThinkVision L2250p Wide 22" Monitor ThinkVision L2251p Wide 22" Monitor ThinkVision L2251x Wide 22" Monitor ThinkVision L2440p Wide 24" Monitor | 2448HB6 2572HB6 2572HD6 2578HB6 4420HB2 | ann ann ann | 10/20/09 10/20/09 10/20/09 |
| ThinkPad Expansion Lenovo® Essential Notebook Stand USB Port Replicator with Digital Video | 45J9292 a 45K1610 a | | | Monitor Accessories ⁴⁶ X301: Lenovo DisplayPort to VGA Monitor Cable | 57Y4393 | | |
| Keyboard TrackPoint Cap Collection USB Numeric Keypad Preferred Pro USB Keyboard Enhanced Performance USB Keyboard Ultraslim Wireless Keyboard and Mouse ⁵² ⁵² Wireless via 2.4GHz technology using a m ThinkPad USB Keyboard with TrackPoint Lenovo® USB Fingerprint Keyboard Lenovo USB Smartcard Keyboard | 73P2698 a 33L3225 a 73P5220 a 57Y4700 a icro-size US 55Y9003 a 73P4730 a 51J0155 a | ann (ann (ann (ann (ann (ann (| 05/01/00 06/21/05 03/23/04 09/15/09 eiver. 08/18/09 02/22/05 | DisplayPort to Single-link DVI-D Cable All: Lenovo USB-to-DVI Monitor Adapter ThinkVision USB Soundbar ThinkVision Soundbar Kensington MicroSaver Cable Lock Kensington Twin Head Cable Lock Lenovo Easy Reach Monitor Stand Radial Arm 46 Compatible on selected Lenovo and Thin | 45J7915 45K5296 40Y7616 45K1263 73P2582 45K1620 55Y9258 19K4464 kVision mo | ann ann ann ann ann ann ann | 05/12/09 08/23/05 09/16/08 12/29/03 09/30/08 09/22/09 05/05/00 |
| Mouse Lenovo Mini Optical Mouse - Black (USB) Lenovo Mini Optical Mouse - White (USB) Lenovo Optical Mouse (USB) Lenovo Laser Mouse (USB) ThinkPad USB Laser Mouse Lenovo ScrollPoint® Mouse (USB, Optical) ThinkPad Travel Mouse (USB, Optical) ThinkPad Bluetooth Laser Mouse | 55Y9308 & 55Y9309 & 60P4069 & 41U3074 & 57Y4635 & 31P7405 & 41U5008 & 41U5008 & 41U5008 | ann (ann (ann (ann 1 ann (ann (| 05/19/09 05/21/03 01/23/07 12/15/09 08/27/02 06/04/02 | More information at www.lenovo.com/supp | oort/monit | oraco | essories |
| Security Kensington® MicroSaver® Cable Lock Kensington Twin Head Cable Lock Multimedia ThinkPad In-Ear Headphones | 73P2582 & 45K1620 & 57Y4488 & | ann (| 09/30/08 | For more information on ThinkPad accessories www.lenovo.com/support/notebookacces www.lenovo.com/support/security | · 1 | visit: | |
| Modem USB 2.0 Lenovo Modem | 43R1814 <i>a</i> | | | Other accessories at www.lenovo.com/acc Accessories Guide pdf at www.lenovo.com/ | | esgui | ide |
| | | | | | | | |

ThinkPad® - ThinkPlus™ Services

Partial list of Lenovo® ThinkPlus Services22 for ThinkPad notebooks

For more information see: http://www.lenovo.com/services_warranty/us/en/index.html

ThinkPlus service upgrade options for ThinkPad W/X series

ThinkPad X100e notebook with 1-year Mail-In warranty

| 2-year Mail-In repair service | 78Y1519 |
|--|---------|
| 3-year Mail-In repair service | 78Y1520 |
| 1-year LOR ²⁴ 9x5 Next Business Day | 78Y1517 |
| 2-year LOR 9x5 Next Business Day | 78Y1521 |
| 3-year LOR 9x5 Next Business Day | 78Y1522 |

ThinkPad X100e notebook with 1-year Depot warranty

| 2-year parts and labor depot repair service 3-year parts and labor depot repair service | 41C9169 41C9170 |
|---|--------------------|
| 1-year LOR 9x5 Next Business Day | 41C9166 |
| 2-year LOR 9x5 Next Business Day | 41C9167 |
| 3-year LOR 9x5 Next Business Day | 41C9168 |

ThinkPad X series notebook with 1-year Depot warranty

| 2-year parts and labor depot repair service | 41C9169 |
|---|---------|
| 3-year parts and labor depot repair service | 41C9170 |
| 4-year parts and labor depot repair service | 41C9172 |
| 5-year parts and labor depot repair service | 41C9174 |
| 1-year LOR 9x5 Next Business Day | 41C9166 |
| 2-year LOR 9x5 Next Business Day | 41C9167 |
| 3-year LOR 9x5 Next Business Day | 41C9168 |
| 4-year LOR 9x5 Next Business Day | 41C9171 |
| 5-year LOR 9x5 Next Business Day | 41C9173 |

ThinkPad W/X series notebook with 3-year Depot warranty

| 4-year parts and labor depot repair service 5-year parts and labor depot repair service | 41C9178 41C9180 |
|---|--------------------|
| 3-year LOR 9x5 Next Business Day 4-year LOR 9x5 Next Business Day | 41C9176 41C9177 |
| 5-vear LOR 9x5 Next Business Day | 41C9179 |

ThinkPad W/X series notebook with 3-year Onsite warranty

| A I OD Out Next Duels are De | . 4075000 |
|----------------------------------|-----------|
| 4-year LOR 9x5 Next Business Day | / 12X5630 |
| 5-year LOR 9x5 Next Business Day | / 43R2162 |

ThinkPlus service upgrade options for ThinkPad T/R series

ThinkPad T/R series notebook with 1-year Depot warranty

| 2-year parts and labor depot repair service | 45K5971 |
|---|---------|
| 3-year parts and labor depot repair service | 45K5972 |
| 4-year parts and labor depot repair service | 45K5974 |
| 5-year parts and labor depot repair service | 45K5976 |
| 1-year LOR 9x5 Next Business Day | 45K5968 |
| 2-year LOR 9x5 Next Business Day | 45K5969 |
| 3-year LOR 9x5 Next Business Day | 45K5970 |
| 4-year LOR 9x5 Next Business Day | 45K5973 |
| 5-year LOR 9x5 Next Business Day | 45K5975 |

ThinkPad T/R series notebook with 3-year Depot warranty

| 4-year parts and labor depot repair service 5-year parts and labor depot repair service | 45K6023 45K6025 |
|---|--------------------|
| 3-year LOR 9x5 Next Business Day | 45K6021 |
| 4-year LOR 9x5 Next Business Day | 45K6022 |
| 5-year LOR 9x5 Next Business Day | 45K6024 |

ThinkPad T/R series notebook with 3-year Onsite warranty

| 4-year LOR 9x5 Next Business Day | 45K6038 |
|----------------------------------|---------|
| 5-year LOR 9x5 Next Business Day | 43R2162 |

ThinkPlus Secure Business

Lenovo Online Data Backup

- Secure offsite data storage
- 256-bit Advanced Encryption System
- Data recovery or access in case of an unforeseen event
- Automatic, remote management
- Choose which business critical data to back up

| 1-year Lenovo Online Data Backup - 10GB | 51J0787 |
|--|---------|
| 1-year Lenovo Online Data Backup - 25GB | 51J0795 |
| 1-year Lenovo Online Data Backup - 50GB | 45K5849 |
| 1-vear Lenovo Online Data Backup - Unlimited | 45K5870 |

ThinkPad notebook with 1-year Depot warranty

1-year Secure Business 55Y2380

- 1-year Lenovo Onsite Repair service upgrade
 1-year ThinkPad Protection
- 1-year 50GB Lenovo Online Data Backup 55Y2381 3-year Secure Business

- 3-year Lenovo Onsite Repair service upgrade
- 3-year ThinkPad Protection
- 3-year 50GB Lenovo Online Data Backup

ThinkPad notebook with 3-year Depot warranty

3-year Secure Business 45K5893

- 3-year Lenovo Onsite Repair service upgrade
- 3-year ThinkPad Protection
- 3-year 50GB Lenovo Online Data Backup

ThinkPlus Priority Support for enterprise customers

- 9x5 next-business-day response Lenovo Onsite Repair
- 24x7 support with priority routing and advanced level technicians

ThinkPad notebook with 1-year Depot warranty

3-year Priority Support 45J9094

ThinkPad notebook with 3-year Depot warranty

| 3-year Priority Support | 45J9095 |
|---|---------|
| 4-year Priority Support | 45J9096 |
| 5-year Priority Support | 45J9097 |
| 3-year Priority Support 4-hour response | 45J9101 |
| 4-year Priority Support 4-hour response | 45J9102 |
| 5-year Priority Support 4-hour response | 45J9103 |

ThinkPad notebook with 3-year Onsite (GMP) warranty

| 3-year Priority Support | 45J9098 |
|---|---------|
| 4-year Priority Support | 45J9099 |
| 5-year Priority Support | 45J9100 |
| 3-year Priority Support 4-hour response | 45J9104 |
| 4-year Priority Support 4-hour response | 45J9105 |
| 5-year Priority Support 4-hour response | 45J9106 |
| | |

ThinkPad Workstation notebook with 1-year Depot warranty

3-year Priority Support 45J9107

ThinkPad Workstation notebook with 3-year Depot warranty

| 3-year Priority Support | 45J9108 |
|---|---------|
| 4-year Priority Support | 45J9109 |
| 5-year Priority Support | 45J9110 |
| 3-year Priority Support 4-hour response | 45J9114 |
| 4-year Priority Support 4-hour response | 45J9115 |
| 5-year Priority Support 4-hour response | 45J9116 |

ThinkPad Workstation notebook with 3-year Onsite (GMP) warranty

| 3-year Priority Support | 45J9111 |
|---|---------|
| 4-year Priority Support | 45J9112 |
| 5-year Priority Support | 45J9113 |
| 3-year Priority Support 4-hour response | 45J9117 |
| 4-year Priority Support 4-hour response | 45K1520 |
| 5-year Priority Support 4-hour response | 45K1521 |

Availability: All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo is not responsible for photographic or typographic errors.

Warranty: For a copy of applicable product warranties, write to: Warranty Information, P.O. Box 12195, RTP, NC, 27709, Attn: Dept ZPYA/B676. Lenovo makes no representation or warranty regarding third party products or services.

Footnotes:

- Power management, including Intel® SpeedStep® Technology, reduces processor speed when in battery mode.
- Weight includes battery and standard optical drive; weight may vary due to vendor components, manufacturing process and options.
- Thinness may vary at certain points on the system.
- Wireless capability: Requires compatible wireless-enabled options sold separately.
- ⁵ TAA: ThinkPad notebook is compliant with the U.S. Federal Government's country-of-origin requirements prescribed in 48 C.F.R. Subpart 25.4; Trade Act Agreement (TAA) model.
- Public network download modem speeds are limited to 53Kbps. Upload speeds are limited to 48Kbps for V.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.
- Maximum memory capacity may require the replacement of standard component with largest supported component available. On ThinkPad systems, even though it is possible to physically install 4GB of memory, the actual amount of memory addressable by a 32-bit operating system will be limited to 3GB. This limitation does not exist with 64-bit operating systems.
- B Hard drive: GB = billion bytes, TB = trillion bytes. Accessible capacity is less; up to 4GB is service partition.

- 9 CD/DVD drive speeds list maximum rates; rates are variable and are often less than the maximum.
- ¹⁰ Battery: These model numbers achieved the battery life based on MobileMark® 2007 during testing. For the ThinkPad X300, battery life is based on Business Winstone Battery Mark 2002. Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning, and other customer preferences.
- 11 External monitor: This system supports a maximum of two external monitors. The integrated display(s) must be disabled to support two external monitors.
- ¹² Limited warranty: Support unrelated to a warranty issue may be subject to additional charges.
- 13 Internet access not included.
- ¹⁴ Included software may differ from its retail version (if available), and may not include user manuals or all program functionality. Software license agreements may apply.
- ¹⁶ Activating Verizon Wireless Service: Lenovo customers will be contacted after purchase to activate service; requires separate agreement with Verizon Wireless and is subject to the Customer Agreement, Calling Plan, and credit approval. Service, airtime, and early termination charges may apply. Verizon Wireless, not Lenovo, is solely responsible for service. Service not available in all areas; purchaser is responsible for verifying that service is available for the intended location before purchasing a computer equipped with WAN card. Network details, coverage limitations, and maps at www.verizonwireless.com.
- ¹⁷ International Warranty Service is available in any country in which this product is sold and serviced. Service delivery methods and parts availability vary by country, may be different from that in the country of purchase, and are subject to change without notice. Fees and restrictions may apply in some countries.

- ¹⁸ Telephone support may be subject to additional charges, even during the limited warranty period. Response times may vary. May exclude some holidays. If a machine is listed as having "On-site service for select repairs", this means that onsite service is available only for the replacement of select parts. For all other warranty repairs, Lenovo will provide the customer a replacement part for customer installation. The parts for which onsite service is available varies by machine, but may include the processor, power supply, heat sink, system board, or base cover. For ThinkPad notebooks with EasyServ or Courier service, Lenovo will attempt to diagnose and resolve the problem remotely before sending a courier.
- ¹⁹ EasyServ depot repair service: In the United States call 1-800-426-7378. The customer may be asked certain diagnostic questions before a courier is sent. Your ThinkPad purchase includes this depot repair service, available in the U.S. during the limited warranty period.
- Operating System: Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Refer to lenovo.com/pc/support and enter your machine type and model number for more information.
- For combination drives, maximum possible speeds only are given in the following order: CD write, CD rewrite, CD read, DVD read.

- ²² ThinkPlus Services: These services are available for machines normally used for business, professional, or trade purposes, rather than personal, family, or household purposes. Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part will be express shipped to you for quick replacement. Onsite 24x7x2-hour service is not available in all locations. For Think-Pad notebooks requiring LCD or other component replacement, Lenovo may choose to perform service at the depot repair center. Calls must be received by 5 pm local time in order to qualify for Next Business Day service. P&L means parts and labor, P/U means pick-up. See ThinkPlus terms and conditions for complete details and restrictions.
- 23 Activating AT&T Wireless Service:

Requires separate agreement with AT&T, subject to service agreement, rate plan and coverage maps. AT&T, not Lenovo, is solely responsible for service. Coverage not available in all areas; AT&T BroadbandConnect available in select metropolitan markets. Special credit and tenure restrictions and additional charges may apply to international roaming. A network connection, thirdparty software, additional hardware, and/ or subscription to a third-party service may be required for certain solutions/ applications. Additional restrictions apply, including early termination fee; see www.wireless.att.com for details. To activate call Lenovo Wireless Activation Hot Line at 1-877-299-4710.

- ²⁴ Limited onsite service systems are designed to be repaired during the applicable warranty period primarily with customer-replaceable parts provided by Lenovo. Lenovo will only send a technician onsite to perform a repair if (a) remote telephone diagnosis and/or customer part replacement are unable to resolve the problem, or (b) the part is one of the few designated by Lenovo for onsite replacement. For a list of onsite replaceable parts, contact Lenovo. In the United States call 1-800-426-7378. Support unrelated to a warranty issue may be subject to additional charges. Lenovo onsite repair (LOR), 8 am to 5 pm, Monday through Friday coverage excluding holidays, next business day (NBD) response time.
- Full-size keyboard: As defined by ISO/ IEC 15412.
- ²⁷ Based on IEEE 802.11a and 802.11b. A customer can not upgrade to a different wireless Mini PCI adapter due to FCC regulations. Security screws prevent removal of this adapter. This wireless LAN product has been designed to permit legal operation world-wide in regions which it is approved. This product has been tested and certified to be interoperable by the Wireless Ethernet Compatibility Alliance and is authorized to carry the Wi-Fi logo.

- The IEEE 802.11n specification (MIMO) has been finalized and is currently in IEEE 802.11n-2009 release. The maximum speed depends on the access point device and the number of integrated antenna used for connection. An adapter with 11a/b, 11a/b/g, 11b/g/n, or 11a/b/g/n can communicate on any of its supported formats.
- ³⁰ Measures only maximum data transfer rate, not application performance. Many factors affect application performance.

- Wireless: Based on IEEE 802.11a, 802.11b, and 802.11g respectively. An adapter with 11a/b, 11b/g, or 11a/b/g can communicate on either/any of these listed formats respectively, the actual connection will be based on the access point to which it connects.
- ³⁶ Wireless upgradable allows the system to be wireless-enabled with an optional wireless Mini PCI or Mini PCI Express card. Designed to operate only with Lenovo options.

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Personal Systems Reference Lenovo® ThinkPad® Edge Series and SL Series TopSeller™ Notebooks

April 2010 - Version 376



ThinkPad_®



Lenovo® ThinkPad Edge 13"



Lenovo ThinkPad Edge 13" (Glossy black model)



Lenovo ThinkPad Edge 13" (Glossy red model)



ThinkPad Battery 73+ (6-cell) 57Y4565 ThinkPad Battery 73 (4-cell) 57Y4564



USB 2.0 Portable DVD Burner 43N3264



Lenovo ThinkPad Edge 13"

| Type-mod | el Processor | GHz | Memory | Wide- screen display | | Integrated graphics | Disk I SATA GB [®] rpm | PCle Mini Card 802.11 | PCIe Mini Card WWAN | Top color | | Battery cells | Preload | Avail date |
|------------|--------------|------|--------|----------------------------|------|------------------------|---------------------------------------|-----------------------------|---------------------------|--------------|------|------------------|-----------|---------------|
| 0196-24L | SU7300 | 1.30 | 3GB | 13.3" HD | 0.3M | GMA | 320G 7200 | Intel 1000 | None | Matte black | Blue | 6 | Pro 32 | Jan 10 |
| 0196-4YL | SU7300 | 1.30 | 3GB | 13.3" HD | 0.3M | GMA | 320G 7200 | Intel 1000 | None | Glossy black | Blue | 6 | Pro 32 | Jan 10 |
| № 0196-5DU | J SU7300 | 1.30 | 2GB | 13.3" HD | 0.3M | GMA | 250G 5400 | Intel 1000 | None | Glossy red | | 6 | Pro 32 | Apr 10 |
| 🖙 0196-5EU | SU7300 | 1.30 | 3GB | 13.3" HD | 0.3M | GMA | 250G 5400 | WiMAX | None | Matte black | Blue | 6 | Pro 32 | Apr 10 |
| ™ 0196-5FU | SU7300 | 1.30 | 2GB | 13.3" HD | 0.3M | GMA | 250G 5400 | Intel 1000 | None | Matte black | | 6 | Home P 64 | Apr 10 |

| Positioning Processor | Sophisticated design with quality, durability and reliability for SMB customers; one spindle Intel® Core™ 2 Duo processor SU7300 with ultra low voltage, dual-core, 800MHz system bus, and 3MB L2 cache | Preloaded operating system ²⁰ - Some: Genuine Windows® 7 Home Premium 64 |
|---|--|--|
| Memory | 2GB or 3GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; | - Some: Genuine Windows 7 Professional 32 Preloaded applications ¹⁴ (only some |
| | Non-italics: standard memory in one socket; one socket available | listed) |
| Optical drive SATA disk | None (use optional USB Portable DVD Burner 43N3264) 250GB ⁸ (5400 rpm) or 320GB (7200 rpm) / SATA 1.5Gb/s or 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, Active Protection System™ | Rescue and Recovery™ Access Connections™ Password Manager ThinkVantage Power Manager |
| Widescreen display Camera | 13.3" (338mm) HD (1366x768) color, VibrantView (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio Camera on top of screen, 0.3-megapixel, low light sensitive | ThinkVantage System Update ThinkVantage Toolbox Norton™ Internet Security 2009 (30 days of virus definitions) |
| Integrated graphics | Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GS45, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536@75Hz | Àdobe® Reader® Adobe Flash® Player Skype™ for Windows Microsoft® Office 2007 Trial (60-day) Microsoft Research AutoCollage |
| Keyboard TrackPoint® Touch pad ThinkLight™ | 6-row, spill-resistant, multimedia Fn keys TrackPoint® pointing device, Internet Scroll Bar¹³ UltraNav™, wide touch pad below keyboard, Tap Zones, multi-touch None | Touch |
| Dimensions ³ | 13.3W" (WxDxH): 12.7" x 9.0" x 1.0"; 322 x 228mm x 25.4mm (excluding battery bump) | |
| Weight ² | 4-cell: starting at 3.59 lb (1.63kg); 6-cell: starting at 3.81 lb (1.73kg) | Supports ThinkVantage® technologies |
| Case color | Matte black (top), glossy black (top), or glossy red (top), | 65-watt AC adapter |
| Case material | trimmed with a thin silver band (side); black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic | EPEAT™ Gold rating |
| Battery - type37 | Lithium Ion 6-cell | ENERGY STAR® 5.0-compliant |
| Battery - life ¹⁰ | 4-cell: up to 5.3 hr; 6-cell: up to 8.0 hr | RoHS-compliant |
| Chipset | Mobile Intel GS45 Express Chipset (Graphics Memory Controller Hub); | International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support |
| EverenceCord | ICH9M I/O Controller Hub | during the warranty period ¹² |
| ExpressCard Smart Card Read | None None | via 800-426-7378 |
| | 5-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, XD) Three USB 2.0 (one powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45) | ThinkPlus™.22 1-year LOR24 9x5 NBD 45K5968 |
| PCIe Mini Card Intel 1000 | Two PCI Express Mini Card slots | ThinkPlus 2-year LOR 9x5 NBD |
| WiMAX | Some: 11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 Some: 11a/b/g/n and WiMAX wireless, PCIe Half Mini Card, Intel Centrino Advanced-N + WiMAX 6250, 2x2 AGN + 1x2 WiMAX | 45K5969 ThinkPlus 3-year LOR 9x5 NBD 45K5970 |
| WWAN upg | None | ThinkPlus 4-year LOR 9x5 NBD |
| Modem Bluetooth™ | None Some: Bluetooth 2.1 wireless | 45K5973 |
| Ethernet | Realtek® RTL8111DL Gigabit Network Connection | ThinkPlus 2-year P&L P/U Depot 45K5971 |
| Intel AMT | None | ThinkPlus 3-year P&L P/U Depot |
| Audio support | High Definition (HD) Audio, Conexant® CX20582 codec / stereo speakers, 1 watt x 2/ mono microphone, combo audio/mic jack | 45K5972 |
| Security Security chip | Power-on password, hard disk password, supervisor password, security keyhole None | ThinkPlus 4-year P&L P/U Depot 45K5974 |
| Fingerprint reader | | Post-warranty annual maintenance agreements at |
| Limited warranty ¹² | ² 1-year - depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty |

| Type-model | Proc- essor | GHz | Memory | Wide- screen display | Cam- era | Integrated graphics | Disk SATA GB [®] rpm | PCIe Mini Card 802.11 | PCle Mini Card WWAN | Top color | | Battery cells | Preload | Avail date |
|----------------------------------|----------------------|----------------------|--------|----------------------------|-------------|---------------------|-------------------------------------|-----------------------------|---------------------------|--|----------------------|------------------|-------------------------------|----------------------------|
| 0197-26U 0197-27U 0197-6XU | L325 L325 L325 | 1.50 1.50 1.50 | 3GB | 13.3" HD | 0.3M | HD 3200 | 250G 5400 250G 5400 250G 5400 | 11b/g/n | None | Matte black Matte black Glossy black | None None None | 6 | Home P 64 Pro 32 Pro 32 | Jan 10 Jan 10 Jan 10 |

These small and medium business (SMB) models are part of the US TopSeller™ Program

| Positioning Processor | Sophisticated design with quality, durability and reliability for SMB customers; one spindle AMD® Athlon™ Neo X2 Dual-Core processor L325 with dual-core, virtualization technology, integrated DDR2 memory controller, and 1MB L2 cache | Preloaded operating system ²⁰ - Some: Genuine Windows® 7 Home Premium 64 |
|---|---|--|
| Memory | 2GB or 3GB std / 4GB max ⁷ / PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, two 200-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; <i>Non-italics:</i> standard memory in one socket; one socket available | - Some: Genuine Windows 7 Professional 32 Preloaded applications ¹⁴ (only some listed) |
| Optical drive SATA disk | None (use optional USB Portable DVD Burner 43N3264) 250GB ⁸ (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, Active Protection System™ | Rescue and Recovery™ Access Connections™ Password Manager ThinkVantage Power Manager |
| Widescreen display Camera | 13.3" (338mm) HD (1366x768) color, VibrantView (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio Camera on top of screen, 0.3-megapixel, low light sensitive | ThinkVantage System Update ThinkVantage Toolbox Lenovo Online Data Backup Adobe® Reader® |
| Integrated graphics | ATI™ Radeon™ HD 3200 graphics, in M780G, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2456x1536@60Hz | Adobe Flash® Player Skype™ for Windows Microsoft® Office 2007 Trial (60-day) Microsoft Research AutoCollage Touch |
| Keyboard TrackPoint® Touch pad | 6-row, spill-resistant, multimedia Fn keys TrackPoint® pointing device, Internet Scroll Bar¹³ UltraNav™, | Supports ThinkVantage® technologies |
| ThinkLight™ | wide touch pad below keyboard, Tap Zones, multi-touch None | 65-watt AC adapter |
| Dimensions ³ Weight ² Case color | 13.3W" (WxDxH): 12.7" x 9.0" x 1.0"; 322 x 228mm x 25.4mm (excluding battery bump) 4-cell: starting at 3.61 lb (1.64kg); 6-cell: starting at 3.83 lb (1.74kg) Matte black (top) or glossy black (top), trimmed with a thin silver band (side); black bottom | EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service ¹⁷ |
| Case material Battery - type ³⁷ Battery - life ¹⁰ | Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 4-cell or 6-cell L325 models with 4-cell: up to 3.3 hr; 6-cell: up to 5.0 hr | 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 |
| Chipset ExpressCard Smart Card Read | AMD M780G Chipset, SB710 south bridge None | ThinkPlus ^{TM, 22} 1-year LOR ²⁴ 9x5 NBD 45K5968 |
| | 5-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, XD) Three USB 2.0 (one powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45) | ThinkPlus 2-year LOR 9x5 NBD 45K5969 ThinkPlus 3-year LOR 9x5 NBD |
| PCIe Mini Card 11b/g/n WWAN upg | Two PCI Express Mini Card slots 11b/g/n wireless⁴, ThinkPad 11b/g/n, PCIe Half Mini Card, Realtek® RTL8191SE None | 45K5970 ThinkPlus 4-year LOR 9x5 NBD 45K5973 |
| Modem Bluetooth™ | None None | ThinkPlus 2-year P&L P/U Depot 45K5971 |
| Ethernet Audio support | Realtek RTL8111DL Gigabit Network Connection High Definition (HD) Audio, Conexant® CX20582 codec / stereo speakers, 1 watt x 2/ mono microphone, combo audio/mic jack | ThinkPlus 3-year P&L P/U Depot 45K5972 |
| Security Security chip Fingerprint reader | Power-on password, hard disk password, supervisor password, security keyhole None | ThinkPlus 4-year P&L P/U Depot 45K5974 Post-warranty annual maintenance |
| | ² 1-year - depot repair service / service upgrades ²² available | agreements at lenovo.com/thinkplus/warranty |

ThinkPad® Edge 13" Accessories

| _ | | |
|--|---|--|
| Memory 0196 with Intel processors: 1GB PC3-8500 DDR3 Low-Halogen SODIMM 55Y370 1GB PC3-8500 DDR3 L-H SODIMM (25-Pack) 57Y438 2GB PC3-8500 DDR3 Low-Halogen SODIMM 55Y370 2GB PC3-8500 DDR3 L-H SODIMM (25-Pack) 57Y438 | 5 ann 06/23/09 7 ann 06/23/09 | Batteries ³⁷ ThinkPad Battery 73 (4-cell) 57Y4564 ann 01/05/10 ThinkPad Battery 73+ (6-cell) 57Y4565 ann 01/05/10 ThinkPad External Battery Charger ⁴⁴ 40Y7625 ann 09/20/05 44 Requires the <i>ThinkPad 90W AC Adapter</i> 40Y7659 or the adapter provided with the system. |
| 1GB PC2-5300 DDR2 SODIMM (25-Pack) 51J0502 2GB PC2-5300 DDR2 SODIMM 40Y773 | 4 ann 01/05/06 2 ann 03/17/09 5 ann 11/28/06 8 ann 03/17/09 | More information at www.lenovo.com/alldaycomputing ThinkPad 65W AC Adapter ⁴⁵ 40Y7696 ann 01/05/06 ⁴⁵ Only compatible with the integrated graphics models. ThinkPad 90W AC Adapter 40Y7659 ann 09/20/05 90W Ultraslim AC/DC Combo Adapter 41R4493 ann 09/22/09 More info at www.lenovo.com/support/poweradapters |
| USB 2.0 Essential Memory Key 4GB 45J790. USB 2.0 Essential Memory Key 8GB 45J790. USB 2.0 Essential Memory Key 32GB 45K125 USB 2.0 Ultra Secure Memory Key 2GB 45J591. USB 2.0 Ultra Secure Memory Key 4GB 45J591. | 4 ann 06/24/08 5 ann 07/15/08 8 ann 10/28/08 6 ann 08/26/08 7 ann 08/26/08 8 ann 08/26/08 | Charging tips for 90W Ultraslim AC/DC Combo Adapter 41R4493 •Palm device charge tip (L7) 41R4315 ann 12/18/07 •BlackBerry charge tip (L8a) 41R4478 ann 12/18/07 •iPod and iPhone Charge Tip (L10a) 41R4481 ann 12/18/07 •Generic Micro USB charge tip (L18) 41R4490 ann 01/06/09 |
| USB 2.0 Portable 500GB Hard Disk USB 2.0 Portable Secure 160GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk eSATA/USB 2.0 Secure 500GB Hard Drive USB 2.0 Super Multi-Burner Drive USB 2.0 Portable DVD Burner Wireless WAN (Mini PCI Express) Olny WWAN upgradable models: | 9 ann 03/17/09 0 ann 05/26/09 8 ann 11/18/08 9 ann 01/07/10 is ann 01/23/07 4 ann 01/05/10 9 ann 01/07/10 | More information at www.lenovopowertips.com Carrying Cases ThinkPad 15W Case Sleeve 51J0477 ann 08/18/09 Lenovo Business Messenger Case 51J0475 ann 08/18/09 Lenovo Messenger Max 41U5253 ann 05/01/07 Lenovo Performance BackPack 41U5254 ann 05/01/07 Checkpoint Friendly Business Topload Case 51J0418 ann 05/05/09 ThinkPad Business Topload Case 43R2476 ann 05/13/08 ThinkPad Business Backpack 43R2482 ann 05/13/08 ThinkPad Deluxe Expander Case 43R2478 ann 05/13/08 ThinkPad Executive Leather Case 43R2480 ann 05/13/08 |
| ThinkPad Expansion Lenovo® Essential Notebook Stand USB Port Replicator with Digital Video Keyboard TrackPoint Cap Collection USB Numeric Keypad Solution TrackPoint Cap Collection USB Keyboard TrackPoint Cap Collection USB Keyboard TrackPoint Cap Collection T3P269 T3P269 T3P522 TrackPoint Cap Collection T3P269 T3P520 TrackPoint T3P269 T3P522 TrackPoint T3P269 T3P522 TrackPoint T3P269 T3P522 TrackPoint TrackPoint TackPoint TackPoint TackPoint TackPoint TackPoint TackPoint TackPoint TackPoint TrackPoint TackPoint TackPoin | 2 ann 05/12/09 0 ann 07/28/09 18 ann 12/16/03 5 ann 05/01/00 0 ann 06/21/05 0 ann 03/23/04 0 ann 09/15/09 | Monitors ThinkVision® L1711p 17" Monitor ThinkVision L1900p 19" Monitor ThinkVision L1951p Wide 19" Monitor ThinkVision L2250p Wide 22" Monitor ThinkVision L2251p Wide 22" Monitor ThinkVision L2251p Wide 22" Monitor ThinkVision L2251x Wide 22" Monitor ThinkVision L2440p Wide 24" Monitor ThinkVision L2440p Wide 24" Monitor Monitor Accessories⁴6 Lenovo USB-to-DVI Monitor Adapter ThinkVision USB Soundbar ThinkVision Soundbar Kensington MicroSaver Cable Lock Kensington Twin Head Cable Lock Lenovo Easy Reach Monitor Stand Radial Arm More information at www.lenovo.com/support/monitoraccessories **ThinkVision Monitor Adapter** ### 19 **A **ThinkVision Monitor** ### 19 **ThinkVision Monitor** ### 10 **ThinkVision Monitor* ### 10 **ThinkVision Monitor** ### |
| Kensington® MicroSaver® Cable Lock 73P258 Kensington Twin Head Cable Lock 45K162 USB Gemplus GemPC Smart Card Reader 41N304 Multimedia | 2 ann 12/29/03 0 ann 09/30/08 0 ann 02/21/06 8 ann 01/07/10 | For more information on ThinkPad accessories, please visit: www.lenovo.com/support/accessories www.lenovo.com/support/notebookaccessories www.lenovo.com/support/security |
| Modem USB 2.0 Lenovo Modem 43R181 | 4 ann 02/26/08 | Other accessories at www.lenovo.com/accessories Accessories Guide pdf at www.lenovo.com/accessoriesguide |





Lenovo® ThinkPad Edge 14"





Lenovo ThinkPad Edge 14"



USB Port Replicator with Digital Video 45K1610



| Type-model Processor GHz Memory display GB³ rpm 802.11 WWAN Carrier Top color reader tooth cells Prolod date (0578-23U i3-350M 2.13 4GB 14.0" HD 250G 5400 11b/g/n Matte black (0578-27U i3-330M 2.13 2GB 14.0" HD 250G 5400 Intel 1000 (0578-27U i3-330M 2.13 2GB 14.0" HD 250G 5400 Intel 1000 (0578-28U i3-330M 2.13 4GB 14.0" HD 250G 5400 Intel 1000 (0578-28U i3-330M 2.13 4GB 14.0" HD 250G 5400 Intel 1000 (0578-28U i3-330M 2.13 4GB 14.0" HD 320G 7200 Intel 1000 (0578-28U i3-330M 2.13 4GB 14.0" HD 320G 7200 Intel 1000 (0578-28U i3-330M 2.13 4GB 14.0" HD 320G 7200 Intel 1000 (0578-28U i3-330M 2.13 4GB 14.0" HD 320G 7200 Intel 1000 (0578-28U i3-330M 2.13 4GB 14.0" HD 320G 7200 Intel 1000 (0578-28U Cel P4500 1.86 2GB 14.0" HD 250G 5400 Intel 1000 (0578-28U i3-330M 2.13 4GB 14.0" HD 250G 5400 Intel 1000 (0578-28U i3-330M 2.13 4GB 14.0" HD 250G 5400 Intel 1000 (0578-84U i3-330M 2.13 4GB 14.0" HD 250G 5400 Intel 1000 (0578-84U i3-330M 2.13 4GB 14.0" HD 250G 5400 Intel 1000 (0578-84U i3-330M 2.13 4GB 14.0" HD 250G 5400 Intel 1000 (0578-84U i3-330M 2.13 4GB 14.0" HD 250G 5400 Intel 1000 (0578-84U i3-330M 2.13 4GB 14.0" HD 250G 5400 Intel 1000 (0578-84U i3-330M 2.13 4GB 14.0" HD 250G 5400 Intel 1000 (0578-84U i3-330M 2.13 4GB 14.0" HD 250G 5400 Intel 1000 (0578-84U i3-330M 2.13 4GB 14.0" HD 250G 5400 Intel 1000 (0578-84U i3-330M 2.13 4GB 14.0" HD 250G 5400 Intel 1000 (0578-84U i3-330M 2.13 4GB 14.0" HD 250G 5400 Intel 1000 (0578-84U i3-330M 2.13 4GB 14.0" HD 250G 5400 Intel 1000 (0578-85U i3-330M 2.13 4GB 14.0" HD 250G 5400 Intel 1000 (0578-85U i3-330M 2.13 4GB 14.0" HD 250G 5400 Intel 1000 (0578-85U i3-330M 2.13 4GB 14.0" HD 250G 5400 Intel 1000 (0578-85U i3-330M 2.13 4GB 14.0" HD 250G 5400 Intel 1000 (0578-85U i3-330M 2.13 4GB 14.0" HD 250G 5400 Intel 1000 (0578-85U i3-330M 2.13 4GB 14.0" HD 250G 5400 Intel 1000 (0578-85U i3-330M 2.13 4GB 14.0" HD 250G 5400 Intel 1000 (0578-85U i3-330M 2.13 4GB 14.0" HD 250G 5400 Intel 1000 (0578-85U i3-330M 2.13 4GB 14.0" HD 250G 5400 Intel 1000 (0578-85U i3-330M 2.13 4GB 14.0" HD 250G 540 | | | | | | | | | | | | | | |
|--|--------------------------------|--|--------------------|----------------------------------|--|---------------------------|---------------------------|--------------|-------------------|--------------------------|------------------------|---------------|-------------------------|------------------|
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| o 578-CSU 13-SSOM 2.26 2GB 14.0° HD 320G 7200 Intel 1000 Matte black Blue 6 Pro 64 Apr 11 C prostioning processor of state of the processor o | | | _ | | | | | | | | Dluo | | | |
| PS78-CSU I3-SSOM 2.26 4GB 14.0° HD 500G 7200 Intel 1000 Glossy black Blue 6 Pro 64 Apr 11 Presidenting Processor Psilon with dual-core. Intel® Celeron* Processor Psilon with dual-core. Intel® Celeron* Processor Psilon with dual-core. Intel® Celeron* Processor Psilon with dual-core. MII (Direct Media Interface), integrated DD18m memory controller (up to 1066MHz), and 2MB cache Psilon Psilon MII (Direct Media Interface), integrated DD18m memory controller (up to 1066MHz), and 2MB cache Psilon MII (Direct Media Interface), integrated DD18m memory controller (up to 1066MHz), Hyper-Threading technology; 3MB cache Psilon MII (Direct Media Interface), integrated DD18m memory controller (up to 1066MHz), Hyper-Threading technology; 3MB cache Psilon MII (Direct Media Interface), integrated DD18m memory controller (up to 1066MHz), Hyper-Threading technology; 3MB cache Psilon Mills (Psilon Memory), and psilon Mills (Psilon Memory) in one socket: available; psilon Mills (Psilon Memory), and psilon Mills (Psilon Memory) in one socket: one socket available; psilon Mills (Psilon Memory), and psilon Mills (Psilon Memory) in one socket: one socket available; psilon Mills (Psilon Memory), and psilon Mills (Psilon Memory), and psilon Mills (Psilon Memory), and psilon Mills (Psilon Memory) in one socket: one socket available; psilon Mills (Psilon Memory), and psilon Mills (Psilon Memory) in one socket: one socket available; psilon Mills (Psilon Memory), and psilon Mills (Psilon Memory) in one socket: one socket available; psilon Mills (Psilon Memory), and psilon Mills (Psilon Memory) in one socket: one socket available; psilon Mills (Psilon Memory), and psilon Mills (Psilon Memory) in one socket: one socket available; psilon Mills (Psilon Memory), and psilon Mills (Psilon Memory) in one socket: one socket available; psilon Mills (Psilon Memory), and p | | | | | | | | | | | | | | |
| Intel® Celeron® Processor P4500 with dual-core | | | _ | | | | | | | | | | | Apr 10 |
| Intel® Celeron® Processor P4500 with dual-core | Positionina | Sophistic | ated des | sian with au | ıalitv. durabilitv | and reliabilit | v for SMB c | ustomers: | two spindles | Preloa | ded on | era | ting system | 20 |
| and 2MB cache Intel Core** is processor i3-330M or i3-350M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Timeding technology; 3MB cache Memory GB, 3GB, or 4GB std / 4GB max*/ PCS-950 1066MHz DDR3, non-parity, dual-channel capable, two 2d-pin SQ-DMM sockets SATA DDS-RW SATA DDS-RW SATA DDS-RW DVD Durner, SATA 1.5Gbb, 12-7m high, fixed, not emovable, tray-in 250GB* (5400 mm), 320GB (7200 rpm), or 500GB (7200 | | Intel® Ce | eleron® | Processo | r P4500 with | dual-core, | | | · | - Som | e: Gen | uine | e Windows® 7 | 7 |
| Intel Core™ 13 processor 13-330M or 13-350M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology; SMB cache ZGB, 3GB, or 4GB std / 4GB max" / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SC-DIMM sockets; italics: standard memory in both sockets; no sockets available; Narian (SATA DVD:RW) SATA DVD:RW SATA Olosh; 2,5° wide 9,5° min high, fixed, not removable, tray-in 250GB*(5400 rpm), 320GB (7200 rpm), or 500GB (7200 rpm), 340GB (7200 rp | | | | ia Interface | e), integrated | DDR3 mem | ory controlle | er (up to 10 |)66MHz), | Com | | | | |
| DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology; 3MB caches of 1969 Hyper-Threading technology; 3MB caches of Professional 64 Pro | | | | rocessor | i3-330M or i3 | 3-350M with | dual-core. | | | - 30111 | | | | |
| dual-channel capable, two 204-pin SO-DIMM sockets; standard memory in both sockets available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket; one socket available; Non-italics: standard memory in one socket available; Non-italics: standa | | | | | | | ory controlle | er (up to 10 | 066MHz), | - Som | e: Gen | uine | Windows 7 | |
| ## Rescue and Recovery™ | Memory | | nnel cap | pable, two | 204-pin SO-E | DIMM socket | s; | • | у, | | ded ap | plic | ations14 (on | y some |
| SATA DVD±RW SATA disk SATA disk SATA disk SATA disk SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, Active Protection System™ Widescreen display Camera 14.0" (355mm) HD (1366x788) color, VibrantView (glossy), Camera on top of screen, 2.0-megaphsel, fixed focus graphics graphics digital monitor support via VGA DB-15 connector and digital monitor via VGA DB-15 connector and d | | | | | | | | | | • Resc | | | | |
| SATA disk 250GB* (5400 rpm), 320GB (7200 rpm), or 500GB (7200 rpm)/. SATA 30Gbb; 2.5° wide, 9.5mm high, removable, upgradable, Active Protection System™ Widescreen display Camera 14.0° (355mm) HD (1566x768) color, VibrantView (glossy), Camera on top of screen; 2.0-megapixel, fixed focus Integrated graphics Intel HD Graphics in processor, external analog monitor supportina VOA DB-15 connector and external analog monitor supportina VOA DB-15 connector and supports dual independent display; Max external resolution: 2048x1536 @ 75Hz; 1920x1080 (HDMI port) Keyboard TrackPoint* Touch pad UltraNav**, wide fouch pad below keyboard, Tap Zones, multi-touch None Dimensions³ Weighi* A-cell: from 4.72 lb (2.14kg); 6-cell: from 4.9 lb (2.22kg); 9-cell: from 5.29 lb (2.40kg) Matte black (top), glossy black (top), or glossy red (top), trimmed with a thin silver band (side); black bottom Allthounds A-cell and A-cell: from 4.72 lb (2.14kg); 6-cell: from 4.9 lb (2.22kg); 9-cell: from 5.29 lb (2.40kg) Matte black (top), glossy black (top), or glossy red (top), trimmed with a thin silver band (side); black bottom Allthounds A-cell and A-cell: from 4.72 lb (2.14kg); 6-cell: top to 2.9 lb; 6-cell: top to 4.5 hr Chipset Battery - lipte* Chipset Ch | SATA DVD+RW | | | | | - | | | | | | | | |
| Active Protection System** Widescreen display Camera 14.0" (355mm) HD (1366x768) color, VibrantView (glossy). LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 2.0-megapixel, lixed focus Integrated graphics Integrated graphics Integrated g | | 250GB ⁸ | (5400 rp | om), 320G l | B (7200 rpm) | , or 500GB (| 7200 rpm) / | пау-пі | | | | | | er |
| Widescreen display Camera Display LED backlight, 220 nits, 16.9 aspect ratio, 500.1 contrast ratio Camera on top of screen, 2.0-megaphyel, fixed focus Integrated graphics digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display Max external resolution: 2048/1536 @ 75Hz; 1920x1080 (HDMI port) Keyboard TrackPoint* Touch pad Dimensions³ Weight* Mone Dimensions³ Weight* Case color Case material Battery - Yile* Displatery - Yile* Displatery - Yile* Mobile Intel HMS5 Express Chipset Orts Chipset ExpressCard/34 Multicard Reader Ports Mobile Intel HMS5 Express Chipset Orts Some: 11b/g/n wireless*, ThinkPad 11b/g/n, PCle Half Mini Card, Intel Centrino* Wireless-N 1500, None Bluetooth™ Externer Modem Bluetooth™ Some: 11b/g/n wireless*, ThinkPad 11b/g/n, PCle Half Mini Card, Intel Centrino* Wireless-N 150 NBD None Bluetooth™ Some: 11b/g/n wireless*, ThinkPad 11b/g/n, PCle Half Mini Card, Intel Centrino* Vireless-N 1500x 120 Some: 11b/g/n wireless*, ThinkPad 11b/g/n, PCle Half Mini Card, Intel Centrino* Wireless-N 1500x 120 Some: 11b/g/n wireless*, ThinkPad 11b/g/n, PCle Half Mini Card, Intel Centrino* Vireless-N 1000, 1x2 Some: 11b/g/n wireless, PCle Half Mini Card, Intel Centrino* Vireless-N 1000, 1x2 Some: 11b/g/n wireless, PCle Half Mini Card, Intel Centrino* Vireless-N 1000, 1x2 Some: 11b/g/n wireless, PCle Half Mini Card, Intel Centrino* Vireless-N 1000, 1x2 Some: 11b/g/n wireless, PCle Half Mini Card, Intel Centrino* Vireless-N 1000, 1x2 Some: 11b/g/n wireless, PCle Half Mini Card, Intel Centrino* Vireless-N 1000, 1x2 Some: Vireless-N ND None Realtek* RTL8111DL Gigabit Network Connection None Realtek* RTL8111DL Gigabit Network Connection None Realtek* RTL8111DL Gigabit Network Connection None None Realtek* RTL8111DL Gigabit Network Connection None None None None None None None No | | | | | | emovable, u | ogradable, | | | | | | | |
| display Camera display Max external analog monitor support via MDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 @ 75Hz; 1920x1080 (HDMI port) Keyboard TrackPoint** TrackPoint** TrackPoint** TrackPoint** Touch pad UlfraNav™, wide touch pad below keyboard, Tap Zones, multi-touch None Dimensions³ Weight* Case color Case material Battery - life¹ delta display: Acall: from 4.72 lb (2.14kg); 6-cell: from 4.9 lb (2.22kg); 9-cell: from 5.29 lb (2.40kg) Max external resolution: Acall: from 4.72 lb (2.14kg); 6-cell: up to 4.5 hr Case material Battery - life¹ delta display Acall: from 4.92 lb (2.22kg); 9-cell: from 5.29 lb (2.40kg) Mobile Intel HM55 Express Chipset CaresesCard/34 Multicard Reader Ports Track Point* Trie USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDM), ethernet (RJ-45) Some: 11b/gin wireless, PCIc Half Mini Card, Intel Centrino* Wireless-N 1000, 1x2 Some: Usless WAN, Qualcomm chipset, PCIc Mini Card, Life London None Bluetooth™ Some: 11ab/gin wireless, ThinkPad 11b/gin, PCIc Half Mini Card, Life London None Bluetooth™ Some: 11ab/gin wireless, PCIc Half Mini Card, Intel Centrino* Wireless-N 1000, 1x2 Some: Wireless WAN, Qualcomm chipset, PCIc Mini Card, Ethernet Intel AMIT Audio support Mobile Intel RM57 or Verizon*, contract required with service provider Modem Bluetooth™ Some: 11ab/gin wireless, PCIc Half Mini Card, Intel Centrino* Advanced-N 8200, 2x2 Accept Some: Wireless WAN, Qualcomm chipset, PCIc Mini Card, EvD-D Rev. A, GPRS/WCDMAHSPA, GPS, contract required with service provider Mone Bluetooth 2-1 wireless Carrier Modem None Bluetooth 2-1 wireless Carrier Modem None Bluetooth 2-1 wireless Ports on password, supervisor password, security keyhole None Bluetooth 2-1 wireless Ports on password, hard disk password, super | VAC -1 | | | | | /!! A\ /! | /l \ | | | | | | | 009 |
| Camera on top of screen, 2.0-megapixel, fixed focus Integrated graphics Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display: Max external resolution: 2048x1536® 75Hz; 1920x1080 (HDMI port) Keyboard TrackPoint* TrackPoint* opiniting device, Internet Scroll Bar¹³ UltraNav™, wide touch pad below keyboard, Tap Zones, multi-touch None Dimensions³ Weight* Case color Acell: from 4.72 ib (2.14kg); 6-cell: from 4.9 ib (2.22kg); 9-cell: from 5.29 ib (2.40kg) Matte black (top), or glossy red (top), rimmed with a thin silver band (side); black bottom Acell: up to 2.9 hr; 6-cell: up to 4.5 hr Chipset ExpressCard/34 Multicard Reader Ports Three USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) Pots Mobile Intel HMS5 Express Chipset Some: 11b/g/n wireless*, ThinkPad 11b/g/n, PCle Half Mini Card Intel 100 Some: 11b/g/n wireless*, Cle Half Mini Card, Intel Centrino Advanced-N 6200, 2x2 Some: Virieless WAN, Qualcomm chipset, PCle Mini Card, Intel Centrino Advanced-N 6200, 2x2 Some: Virieless WAN, Qualcomm chipset, PCle Mini Card, Intel Centrino Advanced-N 6200, 2x2 Some: Virieless WAN, Qualcomm chipset, PCle Mini Card, Intel Centrino Advanced-N 6200, 2x2 Some: Virieless WAN, Qualcomm chipset, PCle Mini Card, Intel Centrino Advanced-N 6200, 2x2 Some: Wireless WAN, Qualcomm chipset, PCle Mini Card, Intel Centrino Advanced-N 6200, 2x2 Some: Wireless WAN, Qualcomm chipset, PCle Mini Card, Intel Centrino Advanced-N 6200, 2x2 Some: Wireless WAN, Qualcomm chipset, PCle Mini Card, Intel Centrino Advanced-N 6200, 2x2 Some: Wireless WAN, Qualcomm chipset, PCle Mini Card, Intel Centrino Advanced-N 6200, 2x2 Some: Wireless WAN, Qualcomm chipset, PCle Mini Card, Intel Centrino Advanced-N 6200, 2x2 Some: Wireless WAN, Qualcomm chipset, PCle Mini Card, Intel Centrino Advanced-N 6200, 2x2 Some: Wireless WAN, Q | | 14.0" (3: | osmm) i ekliaht | 1 טר (1366x 220 nits 1 | 7 68) color, v 6:9 aspect ra | tio 500:1 co | (giossy), ntrast ratio | | | (30 d | lays of | viru | s definitions) | |
| Integrated graphics graphics with HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display: Max external resolution: 2048x1536@75Hz; 1920x1080 (HDMI port) 6-row, spill-resistant, multimedia Fn keys TrackPoint® TrackPoint® pointing device, Internet Scroll Bar¹³ UltraNav™, wide touch pad below keyboard, Tap Zones, multi-touch None Dimensions® 14.0W™ (WwDxH): 13.54* x 9.17* x 1.25-1.46*; 344 x 233mm x 31.8-37.0mm 4-cell: from 4.72 lb (2.14kg); 6-cell: from 4.9 lb (2.22kg); 9-cell: from 5.29 lb (2.40kg) Matte black (top), glossy black (top), or glossy red (top), trimmed with a thin silver band (side;) black bottom Acrylontifine-Butadiene-Syrene (ABS) plastic Lithium Ion 4-cell or 6-cell Battery - life® 4-cell: up to 2.9 hr; 6-cell: up to 4.5 hr Chipset Chipset Multicard Reader 7-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) Ports PCIe Mini Card 11b/g/n PCIe Mini Card 11b/g/n wireless*, ThinkPad 11b/g/n, PCIe Half Mini Card 11b/g/n wireless*, ThinkPad 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 Graphs/WCDMA/HSPA, GPS, contract required with service provider Modem Mone Some: 11b/g/n wireless*, PCIe Half Mini Card, Intel Centrino® Wireless-N 15 watt x 2/ mono digital microphone, combo audio/mic jack Security hop None Intel AMT Audio support Acscordinal monitor support via VBA DB-15 contract required with service provider Acscordinal monitor cygan between contract required with service provider Acscordinal monitor cygan between contract required with service provider Ack56970 ThinkPlus 2-year PSL P/IU Depot 45K5970 ThinkPlus 4-year LOR 9x5 NBD 45K5970 ThinkPlus 4-year LOR 9x5 NBD 45K5970 ThinkPlus 4-year PSL P/IU Depot 45K5970 | | | | | | | | | | | | | | |
| digital monitor support via di HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 @ 75Hz; 1920x1080 (HDMI port) Keyboard TrackPoint® TrackPoint® TrackPoint® pointing device, Internet Scroll Bar¹® UltraNav™, wide touch pad below keyboard, Tap Zones, multi-touch None Dimensions® 14.0W™ (WxDxH): 13.54™ x 9.17™ x 1.25-1.46™; 344 x 233mm x 31.8-37.0mm 4-cell: from 4.72 lb (2.14kg): 6-cell: from 4.9 lb (2.22kg); 9-cell: from 5.29 lb (2.40kg) Matte black (top), glossy black (top), or glossy red (top), trimmed with a thin silver band (side; black bottom Acrylonitrile-Butadiene-Syrene (ABS) plastic Lithium lon 4-cell or 6-cell Battery - life¹® 4-cell: up to 2.9 hr; 6-cell: up to 4.5 hr Chipset Multicard Reader 7-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) Ports Ports Three USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) PCIe Mini Card 11b/g/n wireless*, ThinkPad 11b/g/n, PCIe Half Mini Card Intel Centrino Advanced-N 6200, 2x2 (Bob)™ 2000 Some: 11b/g/n wireless*, PCIe Half Mini Card, Intel Centrino Wireless-N 1000, 1x2 (BRSWCDMA/HSPA, GPS, contract required with service provider Modem None Sluetooth™ 2.1 wireless Power-on password, hard disk password, supervisor password, security keyhole None Some: Or Power-on password, hard disk password, supervisor password, security keyhole Fingerprint reader Some: UPEK Fingerprint reader on palm rest, swipe sensor | | | | | | N DD 15 000 | | | | Skyp | e™ for | Win | dows | (00 -1) |
| supports dual independent display; Max external resolution: 2048x1536@75Hz; 1920x1080 (HDMI port) Keyboard TrackPoint* Touch pad 6-row, spill-resistant, multimedia Fn keys TrackPoint* | grapriics | | | | | | | rotected c | ontent): | | | | | |
| Gerow, spill-resistant, multimedia Fn keys TrackPoint* prackPoint* prackP | | supports | dual in | dependent | : display;` · · | Ü | | | ,,, | | | 5000 | 2101171010001 | lago |
| TrackPoint® Touch pad Touch pad Touch pad Touch pad UltraNav™ wide touch pad below keyboard, Tap Zones, multi-touch None 14.0W" (WxDxH): 13.54" x 9.17" x 1.25-1.46"; 344 x 233mm x 31.8-37.0mm Weight® 4-cell: from 4.72 lb (2.14kg); 6-cell: from 4.9 lb (2.22kg); 9-cell: from 5.29 lb (2.40kg) Matte black (top), glossy black (top), or glossy red (top), crylossy black (top), or glossy red (top). Trimmed with a thin silver band (side): black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Battery - type® Battery - life¹o Chipset ExpressCard/34 Multicard Reader Ports The USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) PCIe Mini Card 11b/g/n Some: 11b/g/n wireless*, ThinkPad 11b/g/n, PCIe Half Mini Card 11b/g/n wireless*, ThinkPad 11b/g/n, PCIe Half Mini Card Some: 11b/g/n wireless*, PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 Some: 11b/g/n wireless*, PCIe Half Mini Card, Lett Centrino Advanced-N 6200, 2x2 Some: Mireless WAN, Qualcomm chipset, PCIe Mini Card, Lett Centrino Advanced-N 6200, 2x2 Some: Mireless WAN, Qualcomm chipset, PCIe Mini Card, Lett Centrino Advanced-N 6200, 2x2 Some: Bluetooth 2.1 wireless Ethernet Intel AMT Audio support High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 1.5 watt x 2/mone digital microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole None ThinkPlus 4-year LOR 9x5 NBD A5K5972 ThinkPlus 3-year P&L P/U Depot 45K5972 ThinkPlus 4-year P& | Karaha a sal | | | | | , | 1 MUH) 080 | oort) | | | | | | |
| Touch pad UltraNav™, wide touch pad below keyboard, Tap Zones, multi-touch ThinkLight™ None ThinkLight™ A 233mm x 31.8-37.0mm Supports ThinkVantage® technologies ThinkTus 31.8-37.0mm Supports ThinkVantage® technologies ThinkTus 4.2 adapter EPEAT™ Gold rating (except Celeron models) ENERGY STAR® 5.0-compliant (except Celeron models) ENERGY STA® 5.0-compliant (exc | | | | | | | | | | | | | | |
| ThinkLight™ None Dimensions³ I4.0W" (WxDxH): 13.54" x 9.17" x 1.25-1.46"; 344 x 233mm x 31.8-37.0mm Weight² Case color Matte black (top), glossy black (top), or glossy red (top), trimmed with a thin silver band (side): black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium lon 4-cell or 6-cell Battery - type³ Battery - life³ Chipset ExpressCard/34 Mobile Intel HM55 Express Chipset One ExpressCard/34 Molit loard Reader Ports PCIe Mini Card 11b/g/n Intel 1000 Intel 6200² Gobi™ 2000 Carrier Modem Some: 11b/g/n wireless, PCle Half Mini Card, Intel Centrino Advanced-N 6200, 2x2 Some: 11a/b/g/n wireless, PCle Half Mini Card, Intel Centrino Advanced-N 6200, 2x2 Some: 11a/b/g/n wireless, PCle Half Mini Card, Intel Centrino Advanced-N 6200, 2x2 Some: 11a/b/g/n wireless, PCle Half Mini Card, Intel Centrino Advanced-N 6200, 2x2 Some: 11a/b/g/n wireless, PCle Half Mini Card, Intel Centrino Advanced-N 6200, 2x2 Some: 11a/b/g/n wireless, PCle Half Mini Card, Intel Centrino Advanced-N 6200, 2x2 Some: 11b/g/n wireless, PCle Half Mini Card, Intel Centrino Advanced-N 6200, 2x2 Some: None Security Audio support Audio support Audio support None Fingerprint reader Some: UPEK Fingerprint reader on palm rest, swipe sensor Supports ThinkVantage® technologies Supports ThinkVantage® technologies Scpand: from 4.72 lb (2.22kg); 9-cell: from 5.29 lb (2.40kg) (65-watt AC adapter EPEAT™ Gold rating (except Celeron models) ENERGY STAR® 5.0-compliant (except Celeron models ENERGY STAR® 5.0-compliant (except Celeron model | | UltraNav | TM, | _ | | | | | | | | | | |
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| Weight [®] Case color Case material Battery - type ^{\$\frac{3}{2}\$} Battery - life ^{\$\frac{1}{2}\$} Chipset ExpressCard/34 Multicard Reader Ports PCIE Mini Card 11b/g/n Intel 1000 Intel 6200 ^{\$\frac{3}{2}\$} Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino Advanced-N 6200, 2x2 Gobi™ 2000 Carrier Modem Biluetooth™ Some: 11ab/g/n wireless, PCIe Half Mini Card, Intel Centrino Advanced-N 6200, 2x2 Some: None Biluetooth™ Audio support Intel AMT Audio support Audio support Audio support None Security Security Security Security Fingerprint reader Some: UPEK Fingerprint reader on palm rest, swipe sensor Verification Verifica | | | /WxDxH | /)· 13 54" v | 9 17" x 1 25- | 1 46"· 344 v | 233mm x 3 | 1 8-37 0m | m | Suppor | rts Thin | kVa | ntage® techr | ologies |
| Case material Battery - type ³⁷ Battery - type ³⁷ Battery - life ¹⁰ Acrylonitrile-Butadiene-Styrene (ABS) plastic Battery - life ¹⁰ 4-cell: up to 2.9 hr; 6-cell: up to 4.5 hr Chipset ExpressCard/34 One Express Chipset Orne Express Card/34 One Express Chipset Orne Express Manulticard Reader Ports orne of the discovery of the | Weight ² | 4-cell: fr | om 4.72 | lb (2.14kg | g); <i>6-cell:</i> fro | m 4.9 lb (2.2 | 2kg); <i>9-cell</i> | | | CF | | | | |
| Case material Battery - types Lithium Ion 4-cell or 6-cell A-cell: up to 2.9 hr; 6-cell; up to 4.5 hr Chipset ExpressCard/34 Multicard Reader Ports Ports Ports Three USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) PCIe Mini Card 1bl/g/n Some: 11b/g/n wireless*, ThinkPad 11b/g/n, PCIe Half Mini Card, Intel Centrino Wireless-N 1000, 1x2 Some: 11a/b/g/n wireless*, ThinkPad 11b/g/n Carrier Modem Bluetooth™ Some: AT&T® or Verizon®, contract required with service provider Modem Bluetooth™ Some: Atat® or Verizon®, contract required with service provider None Security Security Security Security Security Chip Fingerprint reader Some: UPEK Fingerprint reader on palm rest, swipe sensor Mobile Intel MAT A-cell: up to 2.9 hr; 6-cell or 6-cell 4-cell: up to 2.9 hr; 6-cell or 6-cell (4-cell: up to 2.9 hr; 6-cell or 6-cell (4-cell: up to 2.9 hr; 6-cell: up to 4.5 hr Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 4-cell or 6-cell (4-cell: up to 2.9 hr; 6-cell: up to 4.5 hr (except Celeron models) RNERGY STAR® 5.0-compliant (except Celeron models) RoHSNERGY 5.0-compliant (except Celeron models RoHSNERGY 5.0-compliant (except Celeron models RoHSNERGY 5.0-compliant (except Celeron models) RoHSNERGY 5.0-compliant (except Celeron models RoHSNERGY 5.0-compliant (except Celeron models RoHSNERGY 5.0-compliant (except Celeron models RoHSNERGY 5.0-cell for Except Celeron | Case color | Matte bla | ack (top) |), glossy bl | ack (top), or | glossy red (to | op), | | | EPEAT | t AC ac ™ Gold | iapi I rat | er ina | |
| Battery - type3" Battery - life10 4-cell: up to 2.9 hr; 6-cell up to 4.5 hr Chipset ExpressCard/34 Multicard Reader Ports PCIe Mini Card 11b/g/n Intel 1000 Intel 620028 Gobi™ 2000 Carrier Modem Bluetooth™ Some: AT&T® or Verizon®, contract required with service provider Modem Bluetooth™ Some: Atl&T® or Verizon®, contract required with service provider Modem Bluetooth™ Security Security Security Security Security Fingerprint reader Some: UPEK Fingerprint reader on palm rest, swipe sensor Mobile Intel 1M55 Express Chipset Lithium Ion 4-cell: up to 2.9 hr; 6-cell: up to 4.5 hr Mobile Intel 1 up to 2.9 hr; 6-cell: up to 4.5 hr Mobile Intel 1 up to 2.9 hr; 6-cell: up to 4.5 hr Mobile Intel 1 up to 2.9 hr; 6-cell: up to 4.5 hr Mobile Intel 1 M95 Express Chipset One ExpressCard/34 Multicard Reader Ports Mobile Intel 1 M95 Express Chipset One Express Chipset One ExpressCard/34 Tintel 1 M95 (MMC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) Three USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) Two PCI Express Mini Card slots Some: 11b/g/n wireless, PCle Half Mini Card, Intel Centrino Mireless-N 1000, 1x2 Some: 11a/b/g/n wireless, PCle Half Mini Card, Intel Centrino Advanced-N 6200, 2x2 Some: Wireless WAN, Qualcomm chipset, PCle Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, contract required with service provider None 45K5970 ThinkPlus 3-year LOR 9x5 NBD ThinkPlus 3-year P&L P/U Depot 45K5973 ThinkPlus 3-year P&L P/U Depot 45K5974 ThinkPlus 4-year P&L P/U Depot 45K5974 Post-warranty annual maintenance agreements at | Case material | | | | | | | | | (exce | ept Cel | eror | n models) | |
| Chipset ExpressCard/34 Multicard Reader Ports Mobile Intel HM55 Express Chipset One ExpressCard/34 Multicard Reader Ports PCle Mini Card 11b/g/n Intel 1000 Intel 6200 ²⁸ Gobi TM 2000 Gobi TM 2000 Goder Modem Sluetooth TM Some: AT&T® or Verizon®, contract required with service provider Modem Audio support Audio support Audio support Audio support High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 1.5 watt x 2/mono digital microphone, combo audio/mic jack Post-warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² 24 hour x 7 day ¹⁸ t | | ery - type ³⁷ Lithium Ion 4-cell or 6-cell | | | | | | | | | | | | nt |
| ExpressCard/34 Multicard Reader Ports | | | | | | | | | | RoHS- | complia | ant | , | |
| Multicard Reader Ports | | ExpressCard/34 One ExpressCard/34 | | | | | | | | Interna | tional \ | Varr | anty Service | 17 20rt |
| Ports I hree USB 2.0 (one powered), one USB 2.0/eSAIA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) PCIe Mini Card 11b/g/n | Multicard Reader | Multicard Reader 7-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) | | | | | | | | | | | | |
| PCIe Mini Card 11b/g/n Intel 1000 Intel 1000 Intel 620028 Gobi™ 2000 Gobi™ 2000 Carrier Modem Bluetooth™ Bluetooth™ Audio support Audio support Audio support Security Security Security Security Security Security Some: Two PCI Express Mini Card slots Some: ThinkPad 11b/g/n, PCIe Half Mini Card 45K5968 ThinkPlus 7.22 1-year LOR 24 9x5 NBD 45K5968 ThinkPlus 2-year LOR 9x5 NBD 45K5968 ThinkPlus 2-year LOR 9x5 NBD 45K5969 ThinkPlus 3-year LOR 9x5 NBD 45K5970 ThinkPlus 2-year P&L P/U Depot 45K5971 ThinkPlus 3-year P&L P/U Depot 45K5971 ThinkPlus 3-year P&L P/U Depot 45K5972 ThinkPlus 3-year P&L P/U Depot 45K5972 ThinkPlus 4-year P&L P/U Depot 45K5972 ThinkPlus 4-year P&L P/U Depot 45K5972 ThinkPlus 4-year P&L P/U Depot 45K5974 Post-warranty annual maintenance agreements at | Ports | | | | | | | | | | | | | |
| 11b/g/n Some: 11b/g/n wireless⁴, ThinkPad 11b/g/n, PCle Half Mini Card 45K5968 Some: 11ab/g/n wireless, PCle Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 Some: 11ab/g/n wireless, PCle Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 Some: 11ab/g/n wireless, PCle Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 Some: 11ab/g/n wireless, PCle Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 Some: Wireless WAN, Qualcomm chipset, PCle Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, contract required with service provider Some: AT&T® or Verizon®, contract required with service provider None Some: Bluetooth 2.1 wireless Some: Bluetooth 2.1 wireless Some: Bealtek® RTL8111DL Gigabit Network Connection None High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 1.5 watt x 2/ mono digital microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole None Fingerprint reader Some: UPEK Fingerprint reader on palm rest, swipe sensor Post-warranty annual maintenance agreements at Post-warranty annual maintenance agreements at Post-warranty annual maintenance None None None Post-warranty annual maintenance None N | PCIe Mini Card | | | ' | | | , | | | Think | Duc ^{TM 22} | 1 | oor I OD24 0- | Æ NDD |
| Intel 1000 Intel 6200²8 Gobi™ 2000 Gobi™ 2000 Some: 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1X2 Some: 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1X2 Some: 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1X2 Some: Mireless WAN, Qualcomm chipset, PCIe Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, contract required with service provider Some: AT&T® or Verizon®, contract required with service provider None Bluetooth™ Some: Bluetooth 2.1 wireless Ethernet Realtek® RTL8111DL Gigabit Network Connection None Audio support High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 1.5 watt x 2/ mono digital microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole None Fingerprint reader Some: UPEK Fingerprint reader on palm rest, swipe sensor ThinkPlus 2-year LOR 9x5 NBD 45K5970 ThinkPlus 3-year P&L P/U Depot 45K5973 ThinkPlus 3-year P&L P/U Depot 45K5972 ThinkPlus 4-year P&L P/U Depot 45K5972 ThinkPlus 4-year P&L P/U Depot 45K5974 Post-warranty annual maintenance agreements at | 11b/g/n | Some: | 11b/g/n | wireless4, | ThinkPad 11b | | | | | пшкР | ius'' ^{w, 22} | ı-y | | |
| Gobi™ 2000 Some: Wireless WAN, Qualcomm chipset, PCIe Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, contract required with service provider None Bluetooth™ Some: Bluetooth 2.1 wireless Ethernet Realtek® RTL8111DL Gigabit Network Connection None Audio support High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 1.5 watt x 2/ mono digital microphone, combo audio/mic jack Security Power-on password, hard disk password, supervisor password, security keyhole Fingerprint reader Some: UPEK Fingerprint reader on palm rest, swipe sensor ThinkPlus 3-year LOR 9x5 NBD 45K5970 ThinkPlus 4-year P&L P/U Depot 45K5973 ThinkPlus 3-year P&L P/U Depot 45K5971 ThinkPlus 4-year P&L P/U Depot 45K5972 ThinkPlus 4-year P&L P/U Depot 45K5974 Post-warranty annual maintenance agreements at | | | | | | | | | | ThinkP | lus 2-y | ear | LOR 9x5 NB | D |
| GPRS/WCDMA/HSPA, GPS, contract required with service provider Some: AT&T® or Verizon®, contract required with service provider None Bluetooth™ Some: Bluetooth 2.1 wireless Ethernet Realtek® RTL8111DL Gigabit Network Connection None Audio support High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 1.5 watt x 2/ mono digital microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole None Fingerprint reader Some: UPEK Fingerprint reader on palm rest, swipe sensor ThinkPlus 4-year LOR 9x5 NBD 45K5973 ThinkPlus 2-year P&L P/U Depot 45K5971 ThinkPlus 3-year P&L P/U Depot 45K5972 ThinkPlus 4-year P&L P/U Depot 45K5972 ThinkPlus 4-year P&L P/U Depot 45K5974 Post-warranty annual maintenance agreements at | | Some: \ | Wireless | WAN, Qu | alcomm chips | set, PCle Mir | ni Card, EV- | DO Rev. A | , | ThinkP | יו-2 פוון | ear | | |
| Modem Bluetooth™ Some: Bluetooth 2.1 wireless Ethernet Intel AMT Audio support Audio support Security Security Security Security Security chip Fingerprint reader Some: Bluetooth 2.1 wireless 45K5973 ThinkPlus 2-year P&L P/U Depot 45K5971 ThinkPlus 3-year P&L P/U Depot 45K5972 ThinkPlus 3-year P&L P/U Depot 45K5972 ThinkPlus 4-year P&L P/U Depot 45K5972 ThinkPlus 4-year P&L P/U Depot 45K5974 Post-warranty annual maintenance agreements at | Carrior | | | | | | | | er | | , | | 451 | < 5970 |
| Bluetooth™ Some: Bluetooth 2.1 wireless Ethernet Realtek® RTL8111DL Gigabit Network Connection Intel AMT None Audio support High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 1.5 watt x 2/ mono digital microphone, combo audio/mic jack Security Power-on password, hard disk password, supervisor password, security keyhole None Fingerprint reader Some: UPEK Fingerprint reader on palm rest, swipe sensor A5K5971 ThinkPlus 2-year P&L P/U Depot 45K5972 ThinkPlus 4-year P&L P/U Depot 45K5974 Post-warranty annual maintenance agreements at | | | ηιαΙ° C | n venzon", | , contract requ | unea with se | i vice provid | EI | | ThinkP | lus 4-y | ear | | |
| Intel AMT Audio support High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 1.5 watt x 2/ mono digital microphone, combo audio/mic jack Security Security chip Fingerprint reader Fingerprint reader Fingerprint reader Heattek H1L8111DL Gigabit Network Connection 45K5971 ThinkPlus 3-year P&L P/U Depot 45K5972 ThinkPlus 4-year P&L P/U Depot 45K5974 Post-warranty annual maintenance agreements at | Bluetooth™ | Some: E | | | | . | | | | ThinkP | lus 2-v | ear | | |
| Audio support High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 1.5 watt x 2/ mono digital microphone, combo audio/mic jack Security Security chip Fingerprint reader None Fingerprint reader High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 1.5 watt x 2/ 45K5972 ThinkPlus 4-year P&L P/U Depot 45K5974 Post-warranty annual maintenance agreements at | | | HIL81 | 11DL Giga | ibit Network C | connection | | | | | , | | 45 | < 5971 |
| Security Power-on password, hard disk password, supervisor password, security keyhole Security chip None Fingerprint reader Some: UPEK Fingerprint reader on palm rest, swipe sensor ThinkPlus 4-year P&L P/U Depot 45K5974 Post-warranty annual maintenance agreements at | | High Def | | | | | stereo spea | kers, 1.5 | watt x 2/ | IninkP | ius 3-y | ear | | |
| Security chip None Fingerprint reader Some: UPEK Fingerprint reader on palm rest, swipe sensor Post-warranty annual maintenance agreements at | Security | | | | | | nacoward | oourity lea | wholo | ThinkP | lus 4-y | ear | P&L P/U De _l | oot |
| Fingerprint reader Some: UPEK Fingerprint reader on palm rest, swipe sensor agreements at | | | ı passw | oru, riard (| uisk password | a, supervisor | password, | security Ke | yriole | Post w | arrant | anr | | |
| Limited warranty ¹² 1-year - depot repair service / service upgrades ²² available lenovo.com/thinkplus/warranty | Fingerprint reader | Some: \ | | 0 1 | | | | | | agreements at | | | | |
| | Limited warranty ¹² | 1-year - | depot re | epair servic | ce / service up | ogrades ²² ava | ailable | | | | | | inkplus/warra | anty |

ThinkPad® Edge 14" Accessories

| iliki da Lage 14 Accessories | • | | |
|---|--|---|--|
| Memory 1GB PC3-8500 DDR3 Low-Halogen SODIMM 1GB PC3-8500 DDR3 L-H SODIMM (25-Pack 2GB PC3-8500 DDR3 Low-Halogen SODIMM 2GB PC3-8500 DDR3 L-H SODIMM (25-Pack Storage and removable storage |) 57Y4385 ann 06/23/09 55Y3707 ann 06/23/09 | Batteries ³⁷ ThinkPad Battery 25 (4-cell) ThinkPad Battery 25+ (6-cell) ThinkPad Battery 25++ (9-cell) ThinkPad External Battery Charger ⁴⁴ ⁴⁴ Requires the <i>ThinkPad 90W AC Adapter</i> 40 Y 7659 or the adapter provided with the | |
| USB 2.0 Essential Memory Key 4GB | 45J7904 ann 06/24/08 | | - |
| USB 2.0 Essential Memory Key 8GB USB 2.0 Essential Memory Key 32GB USB 2.0 Ultra Secure Memory Key 2GB USB 2.0 Ultra Secure Memory Key 4GB USB 2.0 Ultra Secure Memory Key 8GB | 45J7905 ann 07/15/08 45K1258 ann 10/28/08 45J5916 ann 08/26/08 45J5917 ann 08/26/08 45J5918 ann 08/26/08 | More information at www.lenovo.com/allda ThinkPad 65W AC Adapter ⁴⁵ ⁴⁵ Only compatible with the integrated graph ThinkPad 90W AC Adapter 90W Ultraslim AC/DC Combo Adapter | 40Y7696 ann 01/05/06 |
| USB 2.0 Portable 320GB Hard Disk | 45K1689 ann 03/17/09 | More info at www.lenovo.com/support/pov | weradapters |
| USB 2.0 Portable 500GB Hard Disk USB 2.0 Portable Secure 160GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk eSATA/USB 2.0 Secure 500GB Hard Drive USB 2.0 Portable DVD Burner | 45K1690 ann 05/26/09 43R2018 ann 11/18/08 43R2019 ann 11/18/08 57Y4400 ann 01/07/10 43N3264 ann 01/05/10 | Charging tips for 90W Ultraslim AC/DC Con Palm device charge tip (L7) BlackBerry charge tip (L8a) iPod and iPhone Charge Tip (L10a) Generic Micro USB charge tip (L18) | hbo Adapter 41R4493 41R4315 ann 12/18/07 41R4478 ann 12/18/07 41R4481 ann 12/18/07 41R4490 ann 01/06/09 |
| Wireless WAN (Mini PCI Express) | | More information at www.lenovopowertips | .com |
| Olny WWAN upgradable models: ThinkPad Gobi™ 2000 Broadband Option ThinkPad AT&T® Gobi 2000 Broadband Option | 78Y1399 ann 01/07/10 178Y1398 ann 01/07/10 | Carrying Cases ThinkPad 14W Case Sleeve Lenovo Business Messenger Case | 57Y4294 ann 03/16/10 51J0475 ann 08/18/09 |
| ThinkPad Expansion Lenovo® Essential Notebook Stand USB Port Replicator with Digital Video Keyboard | 45J9292 ann 05/12/09 45K1610 ann 07/28/09 | Lenovo Messenger Max Lenovo Performance BackPack Checkpoint Friendly Business Topload Case ThinkPad Business Topload Case | 41U5253 ann 05/01/07 41U5254 ann 05/01/07 951J0418 ann 05/05/09 43R2476 ann 05/13/08 43R2482 ann 05/13/08 |
| TrackPoint Cap Collection USB Numeric Keypad Preferred Pro USB Keyboard Enhanced Performance USB Keyboard | 73P2698 ann 12/16/03 33L3225 ann 05/01/00 73P5220 ann 06/21/05 73P2620 ann 03/23/04 | ThinkPad Business Backpack ThinkPad Deluxe Expander Case ThinkPad Executive Leather Case Monitors | 43R2478 ann 05/13/08 43R2480 ann 05/13/08 |
| Ultraslim Wireless Keyboard and Mouse ⁵² ⁵² Wireless via 2.4GHz technology using a mi ThinkPad USB Keyboard with TrackPoint Lenovo USB Fingerprint Keyboard Lenovo USB Smartcard Keyboard | 57Y4700 ann 09/15/09 cro-size USB receiver. 55Y9003 ann 08/18/09 73P4730 ann 02/22/05 51J0155 ann 03/24/09 | ThinkVision® L1711p 17" Monitor ThinkVision L1900p 19" Monitor ThinkVision L1951p Wide 19" Monitor ThinkVision L2250p Wide 22" Monitor ThinkVision L2251p Wide 22" Monitor ThinkVision L2251x Wide 22" Monitor | 5047HB2 ann 10/20/09 4431HE1 ann 11/11/08 2448HB6 ann 10/20/09 2572HB6 ann 10/20/09 2572HD6 ann 10/20/09 2578HB6 ann 10/20/09 |
| Mouse Lenovo Mini Optical Mouse - Black (USB) Lenovo Mini Optical Mouse - White (USB) Lenovo Optical Mouse (USB) Lenovo Laser Mouse (USB) ThinkPad USB Laser Mouse Lenovo ScrollPoint® Mouse (USB, Optical) ThinkPad Travel Mouse (USB, Optical) ThinkPad Bluetooth Laser Mouse Lenovo Wireless Laser Mouse - Black52 Lenovo Wireless Laser Mouse - Red/Black52 | 55Y9308 ann 05/19/09 55Y9309 ann 05/19/09 06P4069 ann 05/21/03 41U3074 ann 01/23/07 57Y4635 ann 12/15/09 31P7405 ann 08/27/02 31P7410 ann 06/04/02 41U5008 ann 01/22/08 45K1696 ann 11/25/08 51J0198 ann 11/25/08 | ThinkVision L2440p Wide 24" Monitor Monitor Accessories ⁴⁶ Lenovo USB-to-DVI Monitor Adapter ThinkVision USB Soundbar ThinkVision Soundbar Kensington MicroSaver Cable Lock Kensington Twin Head Cable Lock Lenovo Easy Reach Monitor Stand Radial Arm ⁴⁶ Compatible on selected Lenovo and Thin | 4420HB2 ann 09/17/08 45K5296 ann 05/12/09 40Y7616 ann 08/23/05 45K1263 ann 09/16/08 73P2582 ann 12/29/03 45K1620 ann 09/30/08 55Y9258 ann 09/22/09 19K4464 ann 05/05/00 ikVision monitors. |
| Security Kensington® MicroSaver® Cable Lock Kensington Twin Head Cable Lock | 73P2582 ann 12/29/03 45K1620 ann 09/30/08 | More information at www.lenovo.com/supp | |
| USB Gemplus GemPC Smart Card Reader Multimedia ThinkPad In-Ear Headphones | 41N3040 ann 02/21/06 57Y4488 ann 01/07/10 | For more information on ThinkPad accessor www.lenovo.com/support/accessories www.lenovo.com/support/notebookacces www.lenovo.com/support/security | - ' ' |
| Modem USB 2.0 Lenovo Modem | 43R1814 ann 02/26/08 | Other accessories at www.lenovo.com/acc Accessories Guide pdf at www.lenovo.com/ | |
| | | | |





Lenovo® ThinkPad Edge 15"



Lenovo ThinkPad Edge 15" (Glossy black model)







| Type-model | Proc- essor | GHz | Memory | Wide- screen display | Screen type | Disk SATA GB [®] rpm | PCle Mini Card 802.11 | PCIe Mini Card WWAN | Carrier | Top color | | Blue- te | | Preload | Avail date |
|------------|----------------|------|--------|----------------------------|----------------|-------------------------------------|-----------------------------|---------------------------|--------------------|--------------|--------|----------|---|---------|---------------|
| 0301-23U | i3-350M | 2.26 | 4GB | 15.6" HD | Glossy | 320G 7200 | Intel 6200 ²⁸ | | | Matte black | | | 6 | Pro 64 | Mar 10 |
| 0301-25U | i3-330M | 2.13 | 4GB | 15.6" HD | Glossy | 250G 5400 | 11b/g/n | | | Matte black | | | 4 | Home P | Mar 10 |
| 0301-26U | i3-330M | 2.13 | 2GB | 15.6" HD | | 250G 5400 | Intel 1000 | | | Glossy black | | | 6 | Pro 32 | Mar 10 |
| 0301-27U | i3-330M | 2.13 | 2GB | 15.6" HD | | 320G 7200 | Intel 1000 | Gobi 2000 | AT&T ²³ | Glossy black | | Blue | 6 | Pro 32 | Mar 10 |
| 0301-29U | i3-330M | 2.13 | 2GB | 15.6" HD | Glossy | 250G 5400 | Intel 1000 | | | Glossy black | | | 6 | Home P | Mar 10 |
| 0301-2AU | i3-330M | 2.13 | 4GB | 15.6" HD | | 250G 5400 | Intel 1000 | Gobi 2000 | AT&T | Glossy black | | Blue | 6 | Pro 64 | Mar 10 |
| 0301-2BU | i3-330M | 2.13 | 4GB | 15.6" HD | | 250G 5400 | Intel 1000 | Gobi 2000 | Verizon16 | Glossy black | | Blue | 6 | Pro 64 | Mar 10 |
| 0301-5PU | i3-330M | 2.13 | 2GB | 15.6" HD | | 320G 7200 | Intel 1000 | Gobi 2000 | Verizon | Glossy black | Finger | Blue | 6 | Pro 32 | Mar 10 |
| 0301-5QU | i3-330M | 2.13 | 2GB | 15.6" HD | | 250G 5400 | Intel 1000 | | | Glossy red | | Blue | 6 | Pro 32 | Mar 10 |
| 0301-5RU | i3-330M | 2.13 | 3GB | 15.6" HD | | 320G 7200 | Intel 1000 | | | Glossy red | | Blue | 6 | Home P | Mar 10 |
| 0301-5SU | i3-330M | 2.13 | 4GB | 15.6" HD | | 320G 7200 | Intel 1000 | | | Glossy black | Finger | Blue | 6 | Pro 64 | Mar 10 |

• These small and medium business (SMB) models are part of the US TopSeller™ Program

| Positioning Processor | Sophisticated design with quality, durability and reliability for SMB customers; two spindles Intel® Core™ i3 processor i3-330M or i3-350M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology; 3MB cache | Preloaded operating system ²⁰ - Some: Genuine Windows® 7 Home Premium 64 - Some: Genuine Windows 7 |
|--|---|--|
| Memory | 2GB, 3GB, or 4GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; <i>Non-italics:</i> standard memory in one socket; one socket available | Professional 32 - Some: Genuine Windows 7 Professional 64 Preloaded applications ¹⁴ (only some |
| SATA DVD±RW SATA disk | DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable, tray-in 250GB ⁸ (5400 rpm) or 320GB (7200 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, Active Protection System™ | listed) ■ Rescue and Recovery [™] ■ Access Connections [™] ■ Password Manager |
| Widescreen display | Some: 15.6" (395mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.6" (395mm) HD (1366x768) color, VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio | ThinkVantage Power Manager ThinkVantage System Update ThinkVantage Toolbox Lenovo Online Data Backup Norton™ Internet Security 2009 |
| Camera | Camera on top of screen, 2.0-megapixel, fixed focus | (30 days of virus definitions) |
| Integrated graphics | Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536@75Hz; 1920x1080 (HDMI port) | Adobe® Reader® Adobe Flash® Player Skype™ for Windows Microsoft® Office 2007 Trial (60-day) Microsoft Research AutoCollage |
| Keyboard TrackPoint® Touch pad ThinkLight™ | 6-row, spill-resistant, multimedia Fn keys TrackPoint® pointing device, Internet Scroll Bar¹³ UltraNav™, wide touch pad below keyboard, Tap Zones, multi-touch None | Touch |
| Dimensions ³ | 15.6W" (WxDxH): 14.96" x 9.72" x 1.27-1.48"; 380 x 247mm x 32.3-37.5mm | |
| Weight ² Case color | 4-cell: from 5.32 lb (2.42kg); 6-cell: from 5.50 lb (2.50kg); 9-cell: from 5.89 lb (2.67kg) Matte black (top), glossy black (top), or glossy red (top), trimmed with a thin silver band (side); black bottom | Supports ThinkVantage® technologies |
| Case material Battery - type ³⁷ Battery - life ¹⁰ | Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 4-cell or 6-cell 4-cell: up to 2.9 hr; 6-cell: up to 4.5 hr | 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant |
| Chipset ExpressCard/34 Multicard Reader Ports | Mobile Intel HM55 Express Chipset One ExpressCard/34 7-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) Three USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) | International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 |
| PCIe Mini Card 11b/g/n Intel 1000 Intel 6200 ²⁸ Gobi TM 2000 | Two PCI Express Mini Card slots Some: 11b/g/n wireless ⁴ , ThinkPad 11b/g/n, PCIe Half Mini Card Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 Some: 11a/b/g/n wireless, PCIe Half Mini Card, Intel Centrino Advanced-N 6200, 2x2 Some: Wireless WAN, Qualcomm chipset, PCIe Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, contract required with service provider | ThinkPlus™.22 1-year LOR24 9x5 NBD 45K5968 ThinkPlus 2-year LOR 9x5 NBD 45K5969 ThinkPlus 3-year LOR 9x5 NBD |
| Carrier Modem | Some: AT&T® or Verizon®, contract required with service provider None | 45K5970 ThinkPlus 4-year LOR 9x5 NBD 45K5973 |
| Bluetooth™ Ethernet Intel AMT | Some: Bluetooth 2.1 wireless Realtek® RTL8111DL Gigabit Network Connection None | ThinkPlus 2-year P&L P/U Depot 45K5971 |
| Audio support | High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 1.5 watt x 2/mono digital microphone, combo audio/mic jack | ThinkPlus 3-year P&L P/U Depot 45K5972 ThinkPlus 4-year P&L P/U Depot |
| Security Security chip | Power-on password, hard disk password, supervisor password, security keyhole None | 45K5974 Post-warranty annual maintenance |
| | r Some: UPEK Fingerprint reader on palm rest, swipe sensor | agreements at |
| Limited warranty | ² 1-year - depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty |

| Type-model | Processor | GHz N | /lemory | | Screen type | Disk SATA GB [®] rpm | PCIe Mini Card 802.11 | PCIe Mini Card WWAN | Carrier | Top color | Finger print reader | Blue- tooth | | Avail date |
|------------|-----------|-------|---------|----------|----------------|-------------------------------------|-----------------------------|---------------------------|--------------------|--------------|---------------------------|----------------|-----------|---------------|
| 0301-28U | Cel P4500 | 1.86 | 2GB | 15.6" HD | Glossy | 250G 5400 | Intel 1000 | | | Glossy black | | | Home P 64 | Apr 10 |
| 0301-5NU | Cel P4500 | 1.86 | 2GB | 15.6" HD | Glossy | 250G 5400 | Intel 1000 | | | Matte black | | | Home P 64 | Apr 10 |
| 0301-8GU | i3-330M | 2.13 | 2GB | 15.6" HD | - | 250G 5400 | Intel 1000 | | | Matte black | | | Pro 32 | Apr 10 |
| 0301-8HU | i3-330M | 2.13 | 4GB | 15.6" HD | | 320G 7200 | WiMAX | | | Matte black | Finger | Blue | Pro 64 | Apr 10 |
| 0301-8JU | i3-330M | 2.13 | 2GB | 15.6" HD | Glossy | 250G 5400 | Intel 1000 | | | Matte black | • | | Home P 64 | Apr 10 |
| 0301-8KU | i3-330M | 2.13 | 4GB | 15.6" HD | - | 320G 7200 | Intel 1000 | | | Matte black | | Blue | Pro 64 | Apr 10 |
| 0301-9AU | i3-330M | 2.13 | 2GB | 15.6" HD | | 250G 5400 | Intel 1000 | Gobi 2000 | AT&T ²³ | Glossy black | | | Pro 32 | Apr 10 |
| 0301-9CU | i3-350M | 2.26 | 2GB | 15.6" HD | | 320G 7200 | Intel 1000 | | | Matte black | | Blue | Pro 64 | Apr 10 |
| 0301-9DU | i3-350M | 2.26 | 4GB | 15.6" HD | | 500G 7200 | Intel 1000 | | | Glossy black | | Blue | Pro 64 | Apr 10 |

These small and medium business (SMB) models are part of the US TopSeller™ Program

| Positioning Processor | Sophisticated design with quality, durability and reliability for SMB customers; two spindles Intel® Celeron® Processor P4500 with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), and 2MB cache Intel Core™ i3 processor i3-330M or i3-350M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology; 3MB cache | Preloaded operating system ²⁰ - Some: Genuine Windows® 7 Home Premium 64 - Some: Genuine Windows 7 Professional 32 - Some: Genuine Windows 7 Professional 64 |
|---|---|---|
| Memory | 2GB or 4GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; standard memory in one socket; one socket available | Preloaded applications¹⁴ (only some listed) ■ Rescue and Recovery™ ■ Access Connections™ |
| SATA DVD±RW SATA disk | DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable, tray-in 250GB ⁸ (5400 rpm), 320GB (7200 rpm), or 500GB (7200 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, Active Protection System™ | Password Manager ThinkVantage Power Manager ThinkVantage System Update ThinkVantage Toolbox |
| Widescreen display Camera | Some: 15.6" (395mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.6" (395mm) HD (1366x768) color, VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 2.0-megapixel, fixed focus | Norton™ Internet Security 2009 (30 days of virus definitions) Adobe® Reader® Adobe Flash® Player Skype™ for Windows Microsoft® Office 2007 Trial (60-day) |
| Integrated graphics | Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536@75Hz; 1920x1080 (HDMI port) | Microsoft Clince 2007 That (60-day) Microsoft Research AutoCollage Touch |
| Keyboard TrackPoint® Touch pad ThinkLight™ | 6-row, spill-resistant, multimedia Fn keys TrackPoint® pointing device, Internet Scroll Bar¹³ UltraNav™, wide touch pad below keyboard, Tap Zones, multi-touch None | |
| Dimensions ³ | 15.6W" (WxDxH): 14.96" x 9.72" x 1.27-1.48"; 380 x 247mm x 32.3-37.5mm | Supports ThinkVantage® technologies |
| Weight ² Case color Case material Battery - type ³⁷ Battery - life ¹⁰ | 4-cell: from 5.32 lb (2.42kg); 6-cell: from 5.50 lb (2.50kg); 9-cell: from 5.89 lb (2.67kg) Matte black (top) or glossy black (top), trimmed with a thin silver band (side); black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium lon 6-cell 4-cell: up to 2.9 hr; 6-cell: up to 4.5 hr | 65-watt AC adapter EPEAT™ Gold rating (except Celeron models) ENERGY STAR® 5.0-compliant (except Celeron models) |
| Chipset ExpressCard/34 | Mobile Intel HM55 Express Chipset One ExpressCard/34 7-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) Three USB 2.0 (one powered), one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) | RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 |
| PCIe Mini Card Intel 1000 WiMAX | Two PCI Express Mini Card slots Some: 11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 Some: 11a/b/g/n and WiMAX wireless, PCIe Half Mini Card, Intel Centrino Advanced-N + WiMAX 6250, 2x2 AGN + 1x2 WiMAX | ThinkPlus™.22 1-year LOR24 9x5 NBD 45K5968 ThinkPlus 2-year LOR 9x5 NBD 45K5969 |
| Gobi™ 2000 | Some: Wireless WAN, Qualcomm chipset, PCIe Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, contract required with service provider | ThinkPlus 3-year LOR 9x5 NBD 45K5970 |
| Carrier Modem | Some: AT&T®, contract required with service provider None | ThinkPlus 4-year LOR 9x5 NBD |
| Bluetooth™ Ethernet Intel AMT | Some: Bluetooth 2.1 wireless Realtek® RTL8111DL Gigabit Network Connection None | 45K5973 ThinkPlus 2-year P&L P/U Depot 45K5971 |
| Audio support | High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 1.5 watt x 2/mono digital microphone, combo audio/mic jack | ThinkPlus 3-year P&L P/U Depot 45K5972 |
| Security Security chip | Power-on password, hard disk password, supervisor password, security keyhole None | ThinkPlus 4-year P&L P/U Depot 45K5974 |
| Fingerprint reader | r Some: UPEK Fingerprint reader on palm rest, swipe sensor | Post-warranty annual maintenance agreements at |
| Limited warranty ¹² | ² 1-year - depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty |

ThinkPad® Edge 15" Accessories

| ••• | iiti uu | Lage 15 | Accessories | | | | | - | | |
|-----|--|--|---|--|---|--|---|---|--|--|
| | 1GB PC3- 2GB PC3- 2GB PC3- | 8500 DDR3 L-1 8500 DDR3 Lo 8500 DDR3 L-1 | w-Halogen SODIMM H SODIMM (25-Pack) w-Halogen SODIMM H SODIMM (25-Pack) | 57Y4385 55Y3707 | ann 06, ann 06, | /23/09 /23/09 | Batteries ³⁷ ThinkPad Battery 25 (4-cell) ThinkPad Battery 25+ (6-cell) ThinkPad Battery 25++ (9-cell) ThinkPad External Battery Charger ⁴⁴ 44 Requires the <i>ThinkPad 90W AC Adap</i> | 51J0498 51J0499 51J0500 40Y7625 | ann ann | 10/22/09 10/22/09 |
| | USB 2.0 E USB 2.0 E USB 2.0 E USB 2.0 U USB 2.0 U | Itra Secure Me | ry Key 4GB ry Key 8GB | 45J7904 45J7905 45K1258 45J5916 45J5917 45J5918 | ann 07, ann 10, ann 08, ann 08, | /15/08 /28/08 /26/08 /26/08 | 40Y7659 or the adapter provided with More information at www.lenovo.com/al ThinkPad 65W AC Adapter ⁴⁵ ⁴⁵ Only compatible with the integrated gr ThinkPad 90W AC Adapter 90W Ultraslim AC/DC Combo Adapter | the system. Idaycomputi 40Y7696 | ann s. ann | 09/20/05 |
| | USB 2.0 P USB 2.0 P USB 2.0 P USB 2.0 P eSATA/US | ortable 320GB ortable 500GB ortable Secure ortable Secure | Hard Disk Hard Disk 160GB Hard Disk 320GB Hard Disk 00GB Hard Drive | 45K1689 45K1690 43R2018 43R2019 57Y4400 43N3264 | ann 03, ann 05, ann 11, ann 11, ann 01, | /17/09 /26/09 /18/08 | More info at www.lenovo.com/support/ Charging tips for 90W Ultraslim AC/DC Coolerand device charge tip (L7) BlackBerry charge tip (L8a) iPod and iPhone Charge Tip (L10a) Generic Micro USB charge tip (L18) | ooweradapte | ers er 41R ann ann ann | 34493 12/18/07 12/18/07 12/18/07 |
| | Olny WWA ThinkPad of ThinkPad Lenovo® E | | <i>models:</i> oadband Option 00 Broadband Option ook Stand | 78Y1399 78Y1398 45J9292 45K1610 | ann 01, ann 05, | /07/10 | Carrying Cases ThinkPad 15W Case Sleeve Lenovo Business Messenger Case Lenovo Messenger Max Lenovo Performance BackPack Checkpoint Friendly Business Topload Ca | 51J0477 51J0475 41U5253 41U5254 | ann ann ann | 08/18/09 05/01/07 05/01/07 |
| | Keyboard TrackPoint USB Num Preferred I Enhanced Ultraslim V 52 Wireles ThinkPad I Lenovo US | Cap Collection eric Keypad Pro USB Keybo Performance U Vireless Keybo ss via 2.4GHz to | oard JSB Keyboard ard and Mouse ⁵² echnology using a mic with TrackPoint Keyboard | 73P2698 33L3225 73P5220 73P2620 57Y4700 | ann 12, ann 05, ann 03, ann 09, BB receir ann 08, ann 02, | /16/03 /01/00 /21/05 /23/04 /15/09 ver. /18/09 /22/05 | ThinkPad Business Topload Case ThinkPad Business Backpack ThinkPad Deluxe Expander Case ThinkPad Executive Leather Case Monitors ThinkVision® L1711p 17" Monitor ThinkVision L1900p 19" Monitor ThinkVision L2250p Wide 19" Monitor ThinkVision L2250p Wide 22" Monitor ThinkVision L2251p Wide 22" Monitor | 43R2476 43R2482 43R2478 43R2480 5047HB2 4431HE1 2448HB6 2572HB6 | ann ann ann ann 2 ann ann 3 ann 6 ann | 05/13/08 05/13/08 05/13/08 05/13/08 10/20/09 11/11/08 10/20/09 10/20/09 |
| | Mouse Lenovo Mi Lenovo Op Lenovo La ThinkPad I Lenovo Sc ThinkPad I ThinkPad I Lenovo Wi | ni Optical Mous ni Optical Mouse tical Mouse (U ser Mouse (US USB Laser Mou rollPoint® Mouse Travel Mouse (I Bluetooth Lase reless Laser M | se - Black (USB) se - White (USB) ISB) ISB) use se (USB, Optical) USB, Optical) r Mouse | 55Y9308 55Y9309 06P4069 41U3074 57Y4635 31P7405 31P7410 41U5008 45K1696 51J0198 | ann 05, ann 05, ann 05, ann 01, ann 08, ann 06, ann 01, | /19/09 /19/09 /21/03 /23/07 /15/09 /27/02 /04/02 /22/08 /25/08 | ThinkVision L2251x Wide 22" Monitor ThinkVision L2440p Wide 24" Monitor Monitor Accessories ⁴⁶ Lenovo USB-to-DVI Monitor Adapter ThinkVision USB Soundbar ThinkVision Soundbar Kensington MicroSaver Cable Lock Kensington Twin Head Cable Lock Lenovo Easy Reach Monitor Stand Radial Arm 46 Compatible on selected Lenovo and T | 2578HB6 4420HB2 45K5296 40Y7616 45K1263 73P2582 45K1620 55Y9258 19K4464 | ann ann ann ann ann ann ann ann | 10/20/09 09/17/08 05/12/09 08/23/05 09/16/08 12/29/03 09/30/08 09/22/09 05/05/00 |
| | Kensington | • | | 73P2582 45K1620 41N3040 | ann 09 | /30/08 | More information at www.lenovo.com/su For more information on ThinkPad acces www.lenovo.com/support/accessories www.lenovo.com/support/notebookac | sories, please | | |
| | ThinkPad I | in-Ear Headpho | ones | 57Y4488 43R1814 | | | www.lenovo.com/support/security Other accessories at www.lenovo.com/security Accessories Guide pdf at www.lenovo.cc | occessories | esqu | ide |
| | | | | | | | | | J | |





Lenovo® ThinkPad SL410



Lenovo ThinkPad SL410



Lenovo ThinkPad SL410



Lenovo ThinkPad SL410



Lenovo ThinkPad SL410 buttons



Lenovo ThinkPad SL410 lights

| | Type-model | Proc- essor | GHz M | emory | screen | | | | Integrate graphics | Disk d SATA s GB [®] rpm | SATA optical | Mini PCle 802.11 wireless | | Fi Blue- p toothre | | tery | Pre- | Avail date |
|-----------------|------------|----------------|-------|-------|----------|-----|--------|------|-----------------------|---|--------------|---------------------------------|------|--------------------------|------|------|--------|---------------|
| >< | 2842-5GU | T5870 | 2.00 | 2GB | 14.0" HD | LED | Glossy | | GMA | 160G 5400 | DVD±RW | * Intel 510028 | None | | | 6 | XP Pro | Oct 09 |
| >< | 2842-5HU | T5870 | 2.00 | 3GB | 14.0" HD | LED | Glossy | 2.0M | GMA | 250G 5400 | DVD±RW | * Intel 5100 | None | | | 6 | XP Pro | Oct 09 |
| | 2842-5JU | T6670 | 2.20 | 4GB | 14.0" HD | LED | Glossy | 2.0M | GMA | 320G 5400 | DVD±RW | * Intel 5100 | None | Blue I | Fing | 6 | XP Pro | Oct 09 |

• These small and medium business (SMB) models are part of the US TopSeller™ Program

| Processor | Intel® Core™ 2 Duo processor T5870 or T6670 with dual-core, 800MHz system bus, and 2MB L2 cache | Preloaded operating system ²⁰ - Windows® XP Professional |
|--|---|---|
| Memory | 2GB, 3GB or 4GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; <i>Non-italics:</i> standard memory in one socket; one socket available | preinstalled through downgrade rights in Genuine Windows 7 Professional 32 Preloaded applications ¹⁴ (only some |
| SATA DVD±RW SATA disk | DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable, tray-in 160GB ⁸ (5400 rpm), 250GB (5400 rpm), or 320GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, ThinkPad Shock Mounted Hard Drive, Active Protection System™ | listed) • Rescue and Recovery™ • Access Connections™ • Password Manager |
| Widescreen display Camera | 14.0" (355mm) HD (1366x768) color, VibrantView (glossy), LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio <i>Some:</i> 2.0-megapixel, fixed focus, on top of screen | ThinkVantage Power Manager ThinkVantage System Update Fingerprint Software (fingerprint models) |
| Integrated graphics | Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45, HDMI port supporting HDCP to output protected content; Max external resolution: 2048x1536@75Hz (VGA DB-15 port); 1920x1080 (HDMI port) | ThinkVantage Toolbox Lenovo Online Data Backup Roxio® Creator® Business Edition |
| Keyboard TrackPoint® Touch pad Lighting FX | 6-row, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label, multi-touch Illuminated power button | (DVD±RW) • Roxio MyDVD® (DVD±RW) • Corel® WinDVD® (DVD±RW) Supports ThinkVantage® technologies |
| Dimensions ³ Weight ² Case color Case material Battery - type ³⁷ Battery - life ¹⁰ | 4/6-cell 14.0W" (WxDxH): 13.54" x 9.17" x 1.26–1.42"; 344mm x 233mm x 32–36mm 4-cell: starting at 4.59 lb (2.08kg); 6-cell: starting at 5.1 lb (2.3kg) ThinkPad Matte Black Scratch-resistant ABS plastic Lithium Ion 6-cell 6-cell: up to 4.0 hr; 9-cell: up to 6 hr | 65-watt (GMA graphics) AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant Warranty Service¹7 24 hour x 7 day¹8 toll-free support |
| Chipset | Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC), LPC bus (IT8752) | during the warranty period ¹² via 800-426-7378 |
| PC Card Smart Card Read | One slot (ExpressCard/34) 7-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) None None | ThinkPlus ^{TM. 22} 1-year LOR ²⁴ 9x5 NBD 45K5968 ThinkPlus 2-year LOR 9x5 NBD 45K5969 ThinkPlus 3-year LOR 9x5 NBD |
| Ports Mini PCI Express | Three USB 2.0, one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) One Mini PCI Express slot | 45K5970 ThinkPlus 4-year LOR 9x5 NBD |
| Intel 5100 ²⁸ WWAN upg | 11a/b/g/n wireless⁴, Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) None | 45K5973 ThinkPlus 5-year LOR 9x5 NBD 45K5975 |
| Modem Bluetooth™ Ethernet | None Some: Bluetooth 2.1 wireless, LED indicator Realtek RTL8111DL Gigabit Network Connection, PHY, PCIe x1 | ThinkPlus 2-year P&L P/U Depot 45K5971 ThinkPlus 3-year P&L P/U Depot |
| Intel AMT Audio support | None High Definition (HD) Audio, ALC269Q codec / stereo speakers, 1.5 watt / speaker volume up, down and mute buttons / | 45K5972 ThinkPlus 4-year P&L P/U Depot 45K5974 |
| Security Security chip | mono microphone, mic mute button, mic input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole None | ThinkPlus 5-year P&L P/U Depot 45K5976 |
| Fingerprint reader | Some: Fingerprint reader on palm rest, swipe sensor | Post-warranty annual maintenance agreements at |
| Limited warranty ¹² | ² 1-year - depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty |

See footnotes for important warranty information US models announced October 22, 2009

Substituting Withdrawn effective February 2010

★ Intel Centrino® processor technology

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| Pro Type-model ess | | Memory | Wide- screen display | or | | | | Disk ed SATA es GB [®] rpm | SATA optical | Mini PCle 802.11 wireless | Mini PCle WWAN | Blue- | | tery | | Avail date |
|-----------------------|---------|--------|----------------------------|-----|--------|------|-----|---|--------------|---------------------------------|----------------------|-------|------|------|--------|---------------|
| 2842-F7U T65 | 70 2.10 | 2GB | 14.0" HD | LED | Glossy | 2.0M | GMA | 250G 5400 | DVD±RW | * Intel 1000 | None | | | 6 | Pro 32 | Jan 10 |
| 2842-F8U T65 | 70 2.10 | 3GB | 14.0" HD | LED | Glossy | 2.0M | GMA | 320G 7200 | DVD±RW | * Intel 1000 | None | | | 6 | Pro 32 | Jan 10 |
| 2842-F9U T66 | 70 2.20 | 4GB | 14.0" HD | LED | Glossy | 2.0M | GMA | 320G 7200 | DVD±RW | * Intel 1000 | None | Blue | Fing | 6 | Pro 64 | Jan 10 |

These small and medium business (SMB) models are part of the US TopSeller™ Program

| Processor | Intel [®] Core [™] 2 Duo processor T6570 or T6670 with dual-core, 800MHz system bus, and 2MB L2 cache | Preloaded operating system ²⁰ - Some: Genuine Windows® 7 |
|--|--|--|
| Memory | 2GB, 3GB, or 4GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; <i>Non-italics:</i> standard memory in one socket; one socket available | Professional 32 - Some: Genuine Windows 7 Professional 64 Preloaded applications ¹⁴ (only some |
| SATA DVD±RW SATA disk | DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable, tray-in 250GB ⁸ (5400 rpm) or 320GB (7200 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, ThinkPad Shock Mounted Hard Drive, Active Protection System™ | listed) ■ Rescue and Recovery [™] ■ Access Connections [™] ■ Password Manager |
| Widescreen display Camera | 14.0" (355mm) HD (1366x768) color, VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio 2.0-megapixel, fixed focus, on top of screen | ThinkVantage Power Manager ThinkVantage System Update Fingerprint Software (fingerprint models) |
| Integrated graphics | Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45, HDMI port supporting HDCP to output protected content; Max external resolution: 2048x1536@75Hz (VGA DB-15 port); 1920x1080 (HDMI port) | ThinkVantage Toolbox Lenovo Online Data Backup Adobe® Reader® |
| Keyboard TrackPoint® Touch pad | 6-row, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label, multi-touch | Adobe Flash® Player Roxio® Creator® Business Edition (DVD±RW) |
| Lighting FX | Illuminated power button | Supports ThinkVantage® technologies |
| Dimensions ³ Weight ² Case color Case material Battery - type ³⁷ Battery - life ¹⁰ | 4/6-cell 14.0W" (WxDxH): 13.54" x 9.17" x 1.26–1.42"; 344mm x 233mm x 32–36mm 4-cell: starting at 4.59 lb (2.08kg); 6-cell: starting at 5.1 lb (2.3kg) ThinkPad Matte Black Scratch-resistant ABS plastic Lithium Ion 6-cell 6-cell: up to 4.0 hr; 9-cell: up to 6 hr | 65-watt (GMA graphics) AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support |
| Chipset | Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC), LPC bus (IT8752) | during the warranty period ¹² via 800-426-7378 |
| ExpressCard Multicard Reader PC Card Smart Card Read | One slot (ExpressCard/34) 7-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) None | ThinkPlus™.22 1-year LOR24 9x5 NBD 45K5968 ThinkPlus 2-year LOR 9x5 NBD 45K5969 |
| Ports | Three USB 2.0, one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) | ThinkPlus 3-year LOR 9x5 NBD 45K5970 ThinkPlus 4-year LOR 9x5 NBD |
| Intel 1000 WWAN upg | One Mini PCI Express slot 11b/g/n wireless ⁴ , Mini PCIe adapter, Intel Centrino® Wireless-N 1000, 1x2 None | ThinkPlus 4-year LOR 9x5 NBD 45K5973 ThinkPlus 5-year LOR 9x5 NBD 45K5975 |
| Modem Bluetooth™ | None Some: Bluetooth 2.1 wireless, LED indicator Parket PTI 9111 D. Circhit Network Connection PHV PCIa vid | ThinkPlus 2-year P&L P/U Depot 45K5971 |
| Ethernet Intel AMT | Realtek RTL8111DL Gigabit Network Connection, PHY, PCIe x1 None High Definition (HD) Audio, ALC269Q codec / stereo speakers, 1.5 watt / | ThinkPlus 3-year P&L P/U Depot 45K5972 |
| Audio support | speaker volume up, down and mute buttons / mono microphone, mic mute button, mic input jack, headphone jack | ThinkPlus 4-year P&L P/U Depot 45K5974 |
| Security Security chip | Power-on password, hard disk password, supervisor password, security keyhole None | ThinkPlus 5-year P&L P/U Depot 45K5976 |
| | r Some: Fingerprint reader on palm rest, swipe sensor | Post-warranty annual maintenance agreements at |
| Limited warranty ¹² | ² 1-year - depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty |

See footnotes for important warranty information US models announced December 15, 2009

★ Intel Centrino® processor technology

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| | Type-model | Celeron proc- essor | GHz | Memory | screen | CCFL or LED | Screen type | Cam- era | Integrate graphic | Disk ed SATA s GB [®] rpm | SATA optical | Mini PCle 802.11 wireless | WWAN | Blue- | | Preload | Avail date |
|-----|------------|---------------------------|------|--------|----------|-------------------|----------------|-------------|----------------------|--|-----------------|---------------------------------|------|-------|---|---------|---------------|
| | 2874-32U | Cel T3000 | 1.80 | 2GB | 14.0" HD | LED | Glossy | | | 160G 5400 | | | | | | Home P | |
| 137 | 2874-7RU | Cel T3100 | 1.90 | 2GB | 14.0" HD | LED | Glossy | 2.0N | 1 GMA | 250G 5400 | DVD±RW | Intel 1000 ²⁸ | None | None | 6 | Home P | Jan 10 |

- These small and medium business (SMB) models are part of the US TopSeller™ Program
- A comprehensive computing solution for small and medium business
 Balanced between serious business computing and powerful multimedia features

| Processor | Intel® Celeron® Processor T3000 or T3100 with dual-core, 800MHz system bus, and 1MB L2 cache | Preloaded operating system ²⁰ - Genuine Windows® 7 |
|--|--|---|
| Memory | 2GB std / 8GB max² / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; Non-italics: standard memory in one socket; one socket available | Home Premium 64 Preloaded applications ¹⁴ (only some listed) |
| SATA DVD±RW SATA disk | DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable, tray-in 160GB ⁸ (5400 rpm) or 250GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, ThinkPad Shock Mounted Hard Drive, Active Protection System™ | Rescue and Recovery™ Access Connections™ Password Manager ThinkVantage Power Manager |
| Widescreen display Camera | 14.0" (355mm) HD (1366x768) color, VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 2.0-megapixel, fixed focus, on top of screen | ThinkVantage System Update ThinkVantage Toolbox Lenovo Online Data Backup Adobe® Reader® |
| Integrated graphics | Intel Graphics Media Accelerator 4500M (GMA 4500M), in GL40, HDMI port supporting HDCP to output protected content; Max external resolution: 2048x1536@75Hz (VGA DB-15 port); 1920x1080 (HDMI port) | Adobe Flash® Player Skype™ for Windows Microsoft® Office 2007 Trial (60-day) |
| Keyboard TrackPoint® Touch pad | 6-row, ThinkVantage button, spill-resistant, multimedia Fn keys, Windows and App keys TrackPoint® pointing device, Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label, multi-touch | Microsoft Research AutoCollage Touch Roxio® Creator® Business Edition (DVD±RW) Roxio MyDVD® (DVD±RW) |
| Lighting FX Dimensions ³ Weight ² Case color Case material Battery - type ³⁷ Battery - life ¹⁰ | Illuminated power button 4/6-cell 14.0W" (WxDxH): 13.54" x 9.17" x 1.26–1.42"; 344mm x 233mm x 32–36mm 4-cell: starting at 4.59 lb (2.08kg); 6-cell: starting at 5.1 lb (2.3kg) ThinkPad Matte Black Scratch-resistant ABS plastic Lithium lon 6-cell 6-cell: up to 4.0 hr; 9-cell: up to 6 hr | Corel® WinDVD® (DVD±RW) Supports ThinkVantage® technologies 65-watt (GMA graphics) AC adapter RoHS-compliant International Warranty Service¹ 7 |
| Chipset | Mobile Intel GL40 Express Chipset (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC), LPC bus (IT8752) | 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 |
| ExpressCard Multicard Reader PC Card Smart Card Read Ports | One slot (ExpressCard/34) 7-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) None None Three USB 2.0, one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) | ThinkPlus™. ²² 1-year LOR ²⁴ 9x5 NBD 45K5968 ThinkPlus 2-year LOR 9x5 NBD 45K5969 ThinkPlus 3-year LOR 9x5 NBD |
| Mini PCI Express 11n ²⁸ Intel 1000 ²⁸ WWAN upg Modem Bluetooth™ | One Mini PCI Express slot Some: 11b/g/n wireless ⁴ , Mini-PCIe Adapter II Some: 11b/g/n wireless, Mini PCIe adapter, Intel Centrino® Wireless-N 1000, 1x2 None None None | 45K5970 ThinkPlus 4-year LOR 9x5 NBD 45K5973 ThinkPlus 5-year LOR 9x5 NBD 45K5975 ThinkPlus 2-year P&L P/U Depot |
| Ethernet Intel AMT Audio support | Realtek® RTL8103EL 10/100 Network Connection, PHY, PCIe x1 None High Definition (HD) Audio, ALC269Q codec / stereo speakers, 1.5 watt / speaker volume up, down and mute buttons / | 45K5971 ThinkPlus 3-year P&L P/U Depot 45K5972 ThinkPlus 4-year P&L P/U Depot |
| Security Security chip Fingerprint reader | mono microphone, mic mute button, mic input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole None | 45K5974 ThinkPlus 5-year P&L P/U Depot 45K5976 Post-warranty annual maintenance |
| | 2 1-year - depot repair service / service upgrades ²² available | agreements at lenovo.com/thinkplus/warranty |

ThinkPad® SL410 Accessories

| Memory 1GB PC3-8500 DDR3 SODIMM 1GB PC3-8500 DDR3 SODIMM (25-Pack) 2GB PC3-8500 DDR3 SODIMM (25-Pack) 2GB PC3-8500 DDR3 SODIMM (25-Pack) 4GB PC3-8500 DDR3 SODIMM 1GB PC3-8500 DDR3 Low-Halogen SODIMM 1GB PC3-8500 DDR3 L-H SODIMM (25-Pack) 2GB PC3-8500 DDR3 L-H SODIMM (25-Pack) 2GB PC3-8500 DDR3 L-H SODIMM (25-Pack) 4GB PC3-8500 DDR3 L-H SODIMM (25-Pack) 4GB PC3-8500 DDR3 LOW-Halogen SODIMM Storage and removable storage SL410/510 500GB 5400rpm Hard Drive USB 2.0 Essential Memory Key 4GB USB 2.0 Essential Memory Key 32GB USB 2.0 Ultra Secure Memory Key 1GB USB 2.0 Ultra Secure Memory Key 2GB | 51J0551 43R1988 51J0552 51J0493 55Y3706 57Y4385 55Y3707 57Y4386 55Y3708 43N3422 45J7904 45J7905 45K1258 45J5915 45J5916 | ann 08/05/08 ann 03/17/09 ann 03/03/09 ann 06/23/09 ann 06/23/09 ann 06/23/09 ann 06/23/09 ann 06/23/09 ann 06/24/08 ann 07/15/08 ann 10/28/08 ann 08/26/08 ann 08/26/08 | Batteries ³⁷ ThinkPad Battery 25 (4-cell) ThinkPad Battery 25+ (6-cell) ThinkPad Battery 25++ (9-cell) ThinkPad Battery 25++ (9-cell) ThinkPad External Battery Charger ⁴⁴ ⁴⁴ Requires the <i>ThinkPad 90W AC Adapter 40Y7659</i> or the adapter provided with the standard of | system. ycomputing 40Y7696 hics models. 40Y7659 ann 09/20/05 41R4493 ann 09/22/09 yeradapters |
|--|---|--|---|--|
| USB 2.0 Ultra Secure Memory Key 4GB | | ann 08/26/08 | • , , , | |
| USB 2.0 Ultra Secure Memory Key 8GB | 45J5918 | ann 08/26/08 | More information at www.lenovopowertips. | com |
| USB 2.0 Portable 320GB Hard Disk USB 2.0 Portable 500GB Hard Disk USB 2.0 Portable Secure 160GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk eSATA/USB 2.0 Secure 500GB Hard Drive USB 2.0 Super Multi-Burner Drive USB 2.0 Portable DVD Burner | 45K1690 43R2018 43R2019 57Y4400 41N5565 | ann 03/17/09 ann 05/26/09 ann 11/18/08 ann 11/18/08 ann 01/07/10 ann 01/23/07 ann 01/05/10 | Carrying Cases Up to 14" widescreen models: ThinkPad 14W Case Sleeve Up to 15.4" widescreen models: ThinkPad 15W Case Sleeve Lenovo Business Messenger Case Lenovo Messenger Max | 57Y4294 ann 03/16/10 51J0477 ann 08/18/09 51J0475 ann 08/18/09 41U5253 ann 05/01/07 |
| Wireless WAN (Mini PCI Express) Only WWAN upgradable models: ThinkPad Gobi™ 2000 Broadband Option ThinkPad AT&T® Gobi 2000 Broadband Option ThinkPad Expansion | | ann 01/07/10 ann 01/07/10 | Lenovo Performance BackPack Checkpoint Friendly Business Topload Case ThinkPad Business Topload Case ThinkPad Business Backpack ThinkPad Deluxe Expander Case ThinkPad Executive Leather Case | 41U5254 ann 05/01/07 |
| Lenovo® Essential Notebook Stand USB Port Replicator with Digital Video Keyboard | 45K1610 | ann 05/12/09 ann 07/28/09 | Up to 15.6" widescreen models: Wenger Backpack for Lenovo Wenger Slim Case for Lenovo Wenger Deluxe Slim Case for Lenovo | 57Y4271 ann 01/07/10 57Y4272 ann 01/07/10 57Y4273 ann 01/07/10 |
| TrackPoint Cap Collection USB Numeric Keypad Preferred Pro USB Keyboard Enhanced Performance USB Keyboard Ultraslim Wireless Keyboard and Mouse ⁵² ⁵² Wireless via 2.4GHz technology using a mi ThinkPad USB Keyboard with TrackPoint Preferred Pro USB Fingerprint Keyboard Lenovo USB Smartcard Keyboard Mouse | 33L3225 73P5220 73P2620 57Y4700 cro-size U5 55Y9003 73P4730 | ann 12/16/03 ann 05/01/00 ann 06/21/05 ann 03/23/04 ann 09/15/09 SB receiver. ann 08/18/09 ann 02/22/05 ann 03/24/09 | Lenovo luxury cases at www.lenovoluxuryc Monitors ThinkVision® L1711p 17" Monitor ThinkVision L1900p 19" Monitor ThinkVision L1951p Wide 19" Monitor ThinkVision L2250p Wide 22" Monitor ThinkVision L2251p Wide 22" Monitor ThinkVision L2251x Wide 22" Monitor ThinkVision L22440p Wide 24" Monitor | |
| Lenovo Mini Optical Mouse - Black (USB) Lenovo Mini Optical Mouse - White (USB) Lenovo Optical Mouse (USB) Lenovo Laser Mouse (USB) ThinkPad USB Laser Mouse Lenovo ScrollPoint® Mouse (USB, Optical) ThinkPad Travel Mouse (USB, Optical) ThinkPad Bluetooth Laser Mouse Security | 55Y9309 06P4069 41U3074 57Y4635 31P7405 31P7410 | ann 05/19/09 ann 05/19/09 ann 05/21/03 ann 01/23/07 ann 12/15/09 ann 08/27/02 ann 06/04/02 ann 01/22/08 | Monitor Accessories ⁴⁶ ThinkVision USB Soundbar ThinkVision Soundbar Kensington MicroSaver Cable Lock Kensington Twin Head Cable Lock Lenovo Easy Reach Monitor Stand Radial Arm ⁴⁶ Compatible on selected Lenovo and Thinl | 40Y7616 ann 08/23/05 45K1263 ann 09/16/08 73P2582 ann 12/29/03 45K1620 ann 09/30/08 55Y9258 ann 09/22/09 19K4464 ann 05/05/00 |
| Kensington® MicroSaver® Cable Lock Kensington Twin Head Cable Lock USB Gemplus GemPC Smart Card Reader Multimedia ThinkPad In-Ear Headphones | 45K1620 41N3040 | ann 12/29/03 ann 09/30/08 ann 02/21/06 ann 01/07/10 | More information at www.lenovo.com/supp For more information on ThinkPad SL access www.lenovo.com/support/accessories www.lenovo.com/support/notebookacces www.lenovo.com/support/security | sories, please visit: |
| Modem USB 2.0 Lenovo Modem | 43R1814 | ann 02/26/08 | Other accessories at www.lenovo.com/acce Accessories Guide pdf at www.lenovo.com/a | |
| | | | | |





Lenovo® ThinkPad SL510



Lenovo ThinkPad SL510



Lenovo ThinkPad SL510



Lenovo ThinkPad SL510



ThinkPad SL510 Touchpad

| Type-model | Proc- essor | GHz | Memory | screen | CCFL or LED | | Inte- grated graphics | Disk SATA GB ⁸ rpm | SATA optical | Mini PCle 802.11 wireless | Mini PCI WWAN | Blue- | Finger print reader | tery | Preload | Avail date |
|------------|----------------|------|--------|----------|-------------------|------|-----------------------------|-------------------------------------|----------------|---------------------------------|--------------------|-------|---------------------------|------|---------|---------------|
| ≈ 2847-2JU | T5870 | 2.00 | 2GB | 15.6" HD | LED | | GMA | 160G 5400 | DVD ±RW | * Intel 510028 | | | | 6 | XP Pro | Oct 09 |
| ≥ 2847-2MU | T5870 | 2.00 | 3GB | 15.6" HD | LED | 2.0M | GMA | 250G 5400 | DVD ±RW | * Intel 5100 | | | | 6 | XP Pro | Oct 09 |
| ≥ 2847-2NU | T5870 | 2.00 | 3GB | 15.6" HD | LED | 2.0M | GMA | 250G 5400 | DVD ±RW | ★ Intel 5100 | AT&T ²³ | | | 6 | XP Pro | Oct 09 |
| 2847-2PU | T6670 | 2.20 | 4GB | 15.6" HD | LED | 2.0M | GMA | 320G 5400 | DVD±RW | * Intel 5100 | | Blue | Fing | 6 | XP Pro | Oct 09 |
| 2847-9WU | T6570 | 2.10 | 3GB | 15.6" HD | LED | 2.0M | GMA | 320G 7200 | DVD±RW | * Intel 100028 | | | | 6 | XP Pro | Jan 10 |
| 2847-3ZU | T6570 | 2.10 | 2GB | 15.6" HD | LED | 2.0M | GMA | 250G 5400 | DVD±RW | * Intel 1000 | | | | 6 | XP Pro | Jan 10 |
| № 2847-QJU | T6670 | 2.20 | 4GB | 15.6" HD | LED | 2.0M | GMA | 320G 5400 | DVD±RW | * Intel 1000 | | Blue | Fing | 6 | XP Pro | Oct 09 |

- These small and medium business (SMB) models are part of the US TopSeller™ Program
 A comprehensive computing solution for small and medium business
 Balanced between serious business computing and powerful multimedia features

| Processor | Intel® Core™ 2 Duo processor T5870, T6570, or T6670 with dual-core, 800MHz system bus, and 2MB L2 cache | Preloaded operating system ²⁰ - Windows® XP Professional |
|---|---|--|
| Memory | 2GB, 3GB, or 4GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; <i>Non-italics:</i> standard memory in one socket; one socket available | preinstalled through downgrade rights in Genuine Windows 7 Professional 32 Preloaded applications ¹⁴ (only some |
| SATA DVD±RW SATA disk | DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable, tray-in 160GB ⁸ (5400 rpm), 250GB (5400 rpm), or 320GB (5400 or 7200 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, ThinkPad Shock Mounted Hard Drive, Active Protection System™ | listed) ■ Rescue and Recovery [™] ■ Access Connections [™] ■ Password Manager |
| Widescreen display Camera | 15.6" (395mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 2.0-megapixel, fixed focus, on top of screen | ThinkVantage Power Manager ThinkVantage System Update Fingerprint Software (fingerprint models) |
| Integrated graphics | Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45, HDMI port supporting HDCP to output protected content Max external resolution: 2048x1536@75Hz (VGA DB-15 port); 1920x1080 (HDMI port) | ThinkVántage Toolbox Skype™ for Windows Microsoft Research AutoCollage |
| Keyboard TrackPoint® Touch pad | 6-row, ThinkVantage button, spill-resistant, multimedia Fn keys, Windows and App keys TrackPoint® pointing device, Internet Scroll Bar¹³, magnifying glass UltraNav™, | Touch Roxio® Creator® Business Edition (DVD±RW) Roxio MyDVD® (DVD±RW) |
| Lighting FX | wide touch pad below keyboard, Tap Zones, scrolling regions label, multi-touch Illuminated power button | Corel® WinDVD® (DVD±RW) |
| Dimensions ³ Weight ² | 4/6-cell 15.6W" (WxDxH): 14.9" x 9.72" x 1.26–1.42"; 380 x 247mm x 32–36mm 4-cell: starting at 5.17 lb (2.35kg); 6-cell: starting at 5.64 lb (2.56kg) | Supports ThinkVantage® technologies |
| Case color Case material Battery - type ³⁷ Battery - life ¹⁰ | ThinkPad Matte Black Scratch-resistant ABS plastic Lithium Ion 6-cell 6-cell: up to 4.0 hr; 9-cell: up to 6 hr | 65-watt (GMA graphics) AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant |
| Chipset ExpressCard | Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC), LPC bus (IT8752) One slot (ExpressCard/34) | International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 |
| Multicard reader PC Card Smart Card read | 7-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) None | ThinkPlus™.22 1-year LOR24 9x5 NBD 45K5968 |
| Ports | None Three USB 2.0, one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) | ThinkPlus 2-year LOR 9x5 NBD 45K5969 |
| Intel 1000 ²⁸ Intel 5100 ²⁸ | One or two Mini PCI Express slots Some: 11b/g/n wireless ⁴ , Mini PCIe adapter, Intel Centrino® Wireless-N 1000, 1x2 Some: 11a/b/g/n wireless, Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) | ThinkPlus 3-year LOR 9x5 NBD 45K5970 ThinkPlus 4-year LOR 9x5 NBD 45K5973 |
| AT&T ²³ | Some: Wireless WAN, Ericsson chipset, Mini PCIe adapter and SIM, GPRS/WCDMA/HSPA, GPS, service contract required with AT&T® | ThinkPlus 5-year LOR 9x5 NBD 45K5975 |
| Modem Bluetooth™ Ethernet | None Some: Bluetooth 2.1 wireless, LED indicator Realtek® RTL8111DL Gigabit Network Connection, PHY, PCIe x1 | ThinkPlus 2-year P&L P/U Depot 45K5971 |
| Intel AMT Audio support | None High Definition (HD) Audio, ALC269Q codec / stereo speakers, 1.5 watt / | ThinkPlus 3-year P&L P/U Depot 45K5972 |
| auio oupport | speaker volume up, down and mute buttons / mono microphone, mic mute button, mic input jack, headphone jack | ThinkPlus 4-year P&L P/U Depot 45K5974 |
| Security Security chip | Power-on password, hard disk password, supervisor password, security keyhole None | ThinkPlus 5-year P&L P/U Depot 45K5976 Post-warranty annual maintenance |
| | r Some: Fingerprint reader on palm rest, swipe sensor | agreements at |
| Limited warranty ¹² | ² 1-year - depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty |

| | Wide- CCFL Inte- Disk Mini P | Clo Mini DClo Finner Pot |
|--|--|---|
| proc- Type-model essor | Wide- CCFL Inte- Disk Mini P screen or Screen Cam- grated SATA SATA 802. GHz Memory display LED type era graphics GB® rpm optical wirele | 11 WWAN Blue- print tery Avail |
| ≥ 2847-2LU T5870 2847-2QU P8700 2847-6GU T6670 2847-6HU T6670 2847-9VU T6570 2847-9YU T6570 2847-9YU T6570 2847-9XU T6570 2847-9ZU T6670 2847-9ZU T6670 | 2.00 2GB 15.6" HD LED 2.00 4GB 15.6" HD LED 2.0M GMA 250G 5400 DVD±RW * Intel 5 2.53 4GB 15.6" HD LED 2.0M GMA 320G 5400 DVD±RW * Intel 5 2.20 2GB 15.6" HD LED 2.0M GMA 250G 5400 DVD±RW * Intel 5 2.20 3GB 15.6" HD LED 2.0M GMA 250G 5400 DVD±RW * Intel 5 2.10 4GB 15.6" HD LED 2.0M GMA 250G 5400 DVD±RW * Intel 1 2.20 4GB 15.6" HD LED 2.0M GMA 320G 7200 DVD±RW * Intel 1 2.10 2GB 15.6" HD LED 2.0M GMA 320G 7200 DVD±RW * Intel 1 2.10 3GB 15.6" HD LED 2.0M GMA 320G 7200 DVD±RW * Intel 1 2.20 3GB 15.6" HD LED 2.0M GMA 320G 7200 DVD±RW * Intel 1 2.20 3GB 15.6" HD LED 2.0M GMA 320G 7200 DVD±RW * Intel 1 2.10 2GB 15.6" HD LED 2.0M GMA 320G 7200 DVD±RW * Intel 1 2.20 3GB 15.6" HD LED 2.0M GMA 320G 7200 DVD±RW * Intel 1 2.20 3GB 15.6" HD LED 2.0M GMA 320G 7200 DVD±RW * Intel 1 2.10 2GB 15.6" HD LED Glossy 2.0M GMA 250G 5400 DVD±RW * Intel 1 2.10 2GB 15.6" HD LED Glossy 2.0M GMA 250G 5400 DVD±RW * Intel 1 2.10 2GB 15.6" HD LED Glossy 2.0M GMA 250G 5400 DVD±RW * Intel 1 | 100 Blue 6 Home P Oct 05 100 Blue Fing 6 Pro 64 Oct 05 X 6 Pro 32 Nov 05 100 Verizon16 000 6 Pro 32 Nov 05 8 Blue Fing 6 Pro 64 Jan 10 6 Pro 64 Jan 10 000 Pro 32 Jan 10 6 Pro 32 Jan 10 000 AT&T23 000 6 Pro 32 Jan 10 000 Home P Apr 10 6 Home P Apr 10 |
| Processor | Intel® Core™ 2 Duo processor T5870, T6570, or T6670 with dual-core, 800MHz system bus, and 2MB L2 cache or | Preloaded operating system ²⁰ - Some: Genuine Windows® 7 |
| | Intel Core 2 Duo processor P8700 with dual-core, Intel HD Boost,1066MHz system bus, and 3MB L2 cache | Home Premium 64 |
| Memory | 2GB, 3GB, or 4GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; ltalics: standard memory in both sockets; no socket available; Non-italics: standard memory in one socket; one socket available | - Some: Genuine Windows 7 Professional 32 - Some: Genuine Windows 7 Professional 64 Preloaded applications 14 (only some |
| SATA DVD±RW SATA disk | DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable, tray-in 160GB ⁸ (5400 rpm), 250GB (5400 rpm), or 320GB (5400 or 7200 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, ThinkPad Shock Mounted Hard Drive, Active Protection System™ | listed) ■ Rescue and Recovery™ ■ Access Connections™ ■ Password Manager |
| Widescreen display | Some: 15.6" (395mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.6" (395mm) HD (1366x768) color, VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio | ThinkVantage Power Manager ThinkVantage System Update Fingerprint Software (fingerprint models) ThinkVantage Toolbox |
| Camera | Some: 2.0-megapixel, fixed focus, on top of screen | Norton™ Internet Security 2009 |
| Integrated graphics | Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45, HDMI port supporting HDCP to output protected content Max external resolution: 2048x1536@75Hz (VGA DB-15 port); 1920x1080 (HDM | 01 74 6 147 |
| Keyboard TrackPoint® Touch pad | 6-row, ThinkVantage button, spill-resistant, multimedia Fn keys, Windows and Ap TrackPoint® pointing device, Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label, multi-touch | Skype™ for Windows Microsoft Research AutoCollage Touch Roxio® Creator® Business Edition (DVD±RW) |
| Lighting FX Dimensions ³ Weight ² Case | Illuminated power button 4/6-cell 15.6W" (WxDxH): 14.9" x 9.72" x 1.26–1.42"; 380 x 247mm x 32–36mm 4-cell: starting at 5.17 lb (2.35kg); 6-cell: starting at 5.64 lb (2.56kg) Color: ThinkPad Matte Black; Material: Scratch-resistant ABS plastic | Roxio MyDVD® (DVD±RW) Corel® WinDVD® (DVD±RW) |
| Battery - type ³⁷ Battery - life ¹⁰ | Lithium Ion 6-cell 6-cell: up to 4.0 hr; 9-cell: up to 6 hr | Supports ThinkVantage® technologies |
| Chipset ExpressCard Multicard reader PC Card Smart Card read Ports | Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC), LPC bus (IT8752) One slot (ExpressCard/34) 7-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) None None Three USB 2.0, one eSATA/USB combo port, external monitor (VGA DB-15, HDM ethernet (RJ-45) | 65-watt (GMA graphics) AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹¹ 24 hour x 7 day¹8 toll-free support during the warranty period¹² via 800-426-7378 |
| Mini PCI Evnress | One or two Mini PCI Express slots | ThinkPlus™, 22 1-year LOR24 9x5 NBD |
| Intel 1000 ²⁸ Intel 5100 ²⁸ WiMAX | Some: 11b/g/n wireless ⁴ , Mini PCle adapter, Intel Centrino® Wireless-N 1000, 1x Some: 11a/b/g/n wireless, Mini PCle adapter, Intel WiFi Link 5100, 1x2 (Shirley F Some: 11a/b/g/n and WiMAX wireless, Mini PCle adap, Intel WiMAX/WiFi Link 5 | Peak) 111111KI lds 2-year LOTT 975 NDD 45K5969 |
| Verizon ¹⁶ | 1x2 (300Mbps) WiFi + 1x2 WiMAX (Echo Peak) Some: Wireless WAN, Qualcomm Gobi 1000 chipset, Mini PCIe adptr, EV-DO R GPRS/WCDMA/HSPA, GPS, service contract required with Verizon® | Thinki lus 4-year Loft 9x5 NDD |
| AT&T ²³ | Some: Wireless WAN, Ericsson chipset, Mini PCIe adapter and SIM, GPRS/WCDMA/HSPA, GPS, service contract required with AT&T® | 45K5973 ThinkPlus 5-year LOR 9x5 NBD |
| Modem Bluetooth™ | None Some: Bluetooth 2.1 wireless, LED indicator | 45K5975 ThinkPlus 2-year P&L P/U Depot 45K5971 |
| Ethernet Intel AMT | Realtek® RTL8111DL Gigabit Network Connection, PHY, PCIe x1 None_ | ThinkPlus 3-year P&L P/U Depot 45K5972 |
| Audio support | High Definition (HD) Audio, ALC269Q codec / stereo speakers, 1.5 watt / speaker volume up, down and mute buttons / | ThinkPlus 4-year P&L P/U Depot 45K5974 |
| Security Security chip | mono microphone, mic mute button, mic input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole None | ThinkPlus 5-year P&L P/U Depot 45K5976 Post-warranty annual maintenance |
| | Some: Fingerprint reader on palm rest, swipe sensor | agreements at |
| Limited warranty ¹² | 1-year - depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty |

See footnotes for important warranty information

* Intel Centrin

US model announced April 6, 2010;

previous models on October 22, November 17, or December 15, 2009

US models withdrawn effective February 2010

[★] Intel Centrino® processor technology
Intel Centrino 2 processor technology

| | Type-model | Celeron proc- essor | GHz Memor | Wide- screen y display | | | | | Disk SATA GB [®] rpm | SATA optical | Mini PCle 802.11 wireless | | Blue/ t | | Preload | Avail date |
|-----|------------|---------------------------|-----------|------------------------------|-----|--------|------|-----|-------------------------------------|--------------|---------------------------------|------|---------|-----|---------|---------------|
| | 2875-32U | | | | | | | | 160G 5400 | | | | | | | Oct 09 |
| 137 | 2875-4YU | Cel T3100 | 1.90 2GB | 15.6" HD | LED | Glossy | 2.0M | GMA | 250G 5400 | DVD±RW | Intel 1000 ²⁸ | None | None | 6 H | Home P | Jan 10 |

- These small and medium business (SMB) models are part of the US TopSeller™ Program
 A comprehensive computing solution for small and medium business
 Balanced between serious business computing and powerful multimedia features

| Processor | Intel® Celeron® Processor T3000 or T3100 with dual-core, 800MHz system bus, and 1MB L2 cache | Preloaded operating system ²⁰ |
|---|---|--|
| Memory | 1GB or 2GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; Non-italics: standard memory in one socket; one socket available | - Genuine Windows [®] 7 Home Premium 64 Preloaded applications ¹⁴ (only some listed) |
| SATA DVD±RW SATA disk | DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable, tray-in 160GB ⁸ (5400 rpm) or 250GB (5400 rpm) / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, ThinkPad Shock Mounted Hard Drive, Active Protection System™ | Rescue and Recovery™ Access Connections™ Password Manager ThinkVantage Power Manager |
| Widescreen display Camera | 15.6" (395mm) HD (1366x768) color, VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 2.0-megapixel, fixed focus, on top of screen | ThinkVantage System Update ThinkVantage Toolbox Lenovo Online Data Backup Adobe® Reader® |
| Integrated graphics | Intel Graphics Media Accelerator 4500M (GMA 4500M), in GL40, HDMI port supporting HDCP to output protected content Max external resolution: 2048x1536@75Hz (VGA DB-15 port); 1920x1080 (HDMI port) | Adobe Flash® Player Skype™ for Windows Microsoft Research AutoCollage |
| Keyboard TrackPoint® Touch pad Lighting FX | 6-row, ThinkVantage button, spill-resistant, multimedia Fn keys, Windows and App keys TrackPoint® pointing device, Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label, multi-touch Illuminated power button | Touch Roxio® Creator® Business Edition (DVD±RW) Roxio MyDVD® (DVD±RW) Corel® WinDVD® (DVD±RW) |
| Dimensions ³ Weight ² Case color Case material Battery - type ³⁷ | 4/6-cell 15.6W" (WxDxH): 14.9" x 9.72" x 1.26–1.42"; 380 x 247mm x 32–36mm 4-cell: starting at 5.17 lb (2.35kg); 6-cell: starting at 5.64 lb (2.56kg) ThinkPad Matte Black Scratch-resistant ABS plastic Lithium Ion 6-cell | Supports ThinkVantage® technologies 65-watt (GMA graphics) AC adapter RoHS-compliant |
| Battery - life ¹⁰ Chipset | 6-cell: up to 4.0 hr; 9-cell: up to 6 hr Mobile Intel GL40 Express Chipset (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, ethernet MAC), LPC bus (IT8752) | International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 |
| ExpressCard Multicard reader PC Card Smart Card read Ports | One slot (ExpressCard/34) 7-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) None None Three USB 2.0, one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) | ThinkPlus™.22 1-year LOR24 9x5 NBD 45K5968 ThinkPlus 2-year LOR 9x5 NBD 45K5969 ThinkPlus 3-year LOR 9x5 NBD |
| Mini PCI Express 11n ²⁸ Intel 1000 ²⁸ WWAN upg Modem | One Mini PCI Express slot Some: 11b/g/n wireless ⁴ , Mini-PCIe Adapter II Some: 11b/g/n wireless, Mini PCIe adapter, Intel Centrino® Wireless-N 1000, 1x2 None None | 45K5970 ThinkPlus 4-year LOR 9x5 NBD 45K5973 ThinkPlus 5-year LOR 9x5 NBD 45K5975 |
| Bluetooth™ Ethernet Intel AMT Audio support | None Realtek® RTL8103EL 10/100 Network Connection, PHY, PCIe x1 None High Definition (HD) Audio, ALC269Q codec / stereo speakers, 1.5 watt / | ThinkPlus 2-year P&L P/U Depot 45K5971 ThinkPlus 3-year P&L P/U Depot 45K5972 ThinkPlus 4-year P&L P/U Depot |
| Security Security chip Fingerprint reader | speaker volume up, down and mute buttons / mono microphone, mic mute button, mic input jack, headphone jack Power-on password, hard disk password, supervisor password, security keyhole None None | 45K5974 ThinkPlus 5-year P&L P/U Depot 45K5976 Post-warranty annual maintenance agreements at |
| Limited warranty ¹² | ² 1-year - depot repair service / service upgrades ²² available | lenovo.com/thinkplus/warranty |

See footnotes for important warranty information

US model announced December 15, 2009; previous model on October 22, 2009

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ThinkPad® SL510 Accessories

| Memory 1GB PC3-8500 DDR3 SODIMM 1GB PC3-8500 DDR3 SODIMM (25-Pack) 2GB PC3-8500 DDR3 SODIMM (25-Pack) 2GB PC3-8500 DDR3 SODIMM (25-Pack) 4GB PC3-8500 DDR3 SODIMM 1GB PC3-8500 DDR3 Low-Halogen SODIMM 1GB PC3-8500 DDR3 L-H SODIMM (25-Pack) 2GB PC3-8500 DDR3 Low-Halogen SODIMM 2GB PC3-8500 DDR3 L-H SODIMM (25-Pack) 4GB PC3-8500 DDR3 L-H SODIMM (25-Pack) | x) 57Y4385 ann 06/23/09 1 55Y3707 ann 06/23/09 x) 57Y4386 ann 06/23/09 | ThinkPad Battery 25+ (6-cell) 51J0499 ann 10/22/09 ThinkPad Battery 25++ (9-cell) 51J0500 ann 10/22/09 ThinkPad External Battery Charger44 40Y7625 ann 09/20/05 44 Requires the <i>ThinkPad 90W AC Adapter</i> 40Y7659 or the adapter provided with the system. More information at www.lenovo.com/alldaycomputing ThinkPad 65W AC Adapter45 40Y7696 |
|--|---|---|
| Storage and removable storage SL410/510 500GB 5400rpm Hard Drive | 43N3422 ann 10/22/09 | 90W Ultraslim AC/DC Combo Adapter 41R4493 ann 09/22/09 More info at www.lenovo.com/support/poweradapters |
| USB 2.0 Essential Memory Key 4GB USB 2.0 Essential Memory Key 8GB USB 2.0 Essential Memory Key 32GB USB 2.0 Ultra Secure Memory Key 1GB USB 2.0 Ultra Secure Memory Key 2GB USB 2.0 Ultra Secure Memory Key 4GB USB 2.0 Ultra Secure Memory Key 8GB | 45J7904 ann 06/24/08 45J7905 ann 07/15/08 45K1258 ann 10/28/08 45J5915 ann 08/26/08 45J5916 ann 08/26/08 45J5917 ann 08/26/08 45J5918 ann 08/26/08 | Charging tips for 90W Ultraslim AC/DC Combo Adapter 41R4493 •Palm device charge tip (L7) 41R4315 ann 12/18/07 •Blackberry charge tip (L8a) 41R4478 ann 12/18/07 •iPod and iPhone Charge Tip (L10a) 41R4481 ann 12/18/07 •Generic Micro USB charge tip (L18) 41R4490 ann 01/06/09 |
| USB 2.0 Portable 320GB Hard Disk USB 2.0 Portable 500GB Hard Disk USB 2.0 Portable Secure 160GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk eSATA/USB 2.0 Secure 500GB Hard Drive USB 2.0 Super Multi-Burner Drive USB 2.0 Portable DVD Burner | 45K1689 ann 03/17/09 45K1690 ann 05/26/09 43R2018 ann 11/18/08 43R2019 ann 11/18/08 57Y4400 ann 01/07/10 41N5565 ann 01/23/07 43N3264 ann 01/05/10 | Carrying Cases Up to 15.4" widescreen models: ThinkPad 15W Case Sleeve Lenovo Business Messenger Case Lenovo Messenger Max Lenovo Performance BackPack Lenovo Performance |
| Wireless WAN (Mini PCI Express) Only WWAN upgradable models: ThinkPad Gobi™ 2000 Broadband Option ThinkPad AT&T® Gobi 2000 Broadband Optio | 78Y1399 ann 01/07/10 n 78Y1398 ann 01/07/10 | ThinkVision L1900p 19 Monitor 443 THE 1 ann 11/10/08 ThinkVision L1951p Wide 19" Monitor 2448HB6 ann 10/20/09 |
| ThinkPad Expansion Lenovo® Essential Notebook Stand USB Port Replicator with Digital Video | 45J9292 ann 05/12/09 45K1610 ann 07/28/09 | |
| Keyboard TrackPoint Cap Collection USB Numeric Keypad Preferred Pro USB Keyboard Enhanced Performance USB Keyboard Ultraslim Wireless Keyboard and Mouse ⁵² ⁵² Wireless via 2.4GHz technology using a m ThinkPad USB Keyboard with TrackPoint Preferred Pro USB Fingerprint Keyboard Lenovo USB Smartcard Keyboard | 73P2698 ann 12/16/03 33L3225 ann 05/01/00 73P5220 ann 06/21/05 73P2620 ann 03/23/04 57Y4700 ann 09/15/09 icro-size USB receiver. 55Y9003 ann 08/18/09 73P4730 ann 02/22/05 51J0155 ann 03/24/09 | ThinkVision OSB Soundbar 40 176 16 ann 08/23/05 ThinkVision Soundbar 45K1263 ann 09/16/08 Kensington MicroSaver Cable Lock 73P2582 ann 12/29/03 Kensington Twin Head Cable Lock 45K1620 ann 09/30/08 Lenovo Easy Reach Monitor Stand 55Y9258 ann 09/22/09 Radial Arm 19K4464 ann 05/05/00 46 Compatible on selected Lenovo and ThinkVision monitors. |
| Mouse Lenovo Mini Optical Mouse - Black (USB) Lenovo Mini Optical Mouse - White (USB) Lenovo Optical Mouse (USB) Lenovo Laser Mouse (USB) ThinkPad USB Laser Mouse Lenovo ScrollPoint® Mouse (USB, Optical) ThinkPad Travel Mouse (USB, Optical) ThinkPad Bluetooth Laser Mouse | 55Y9308 ann 05/19/09 55Y9309 ann 05/19/09 06P4069 ann 05/21/03 41U3074 ann 01/23/07 57Y4635 ann 12/15/09 31P7405 ann 08/27/02 31P7410 ann 06/04/02 41U5008 ann 01/22/08 | |
| Security Kensington® MicroSaver® Cable Lock Kensington Twin Head Cable Lock USB Gemplus GemPC Smart Card Reader Multimedia | 73P2582 ann 12/29/03 45K1620 ann 09/30/08 41N3040 ann 02/21/06 | |
| ThinkPad In-Ear Headphones | 57Y4488 ann 01/07/10 | www.lenovo.com/support/security |
| Modem USB 2.0 Lenovo Modem | 43R1814 ann 02/26/08 | Other accessories at www.lenovo.com/accessories Accessories Guide pdf at www.lenovo.com/accessoriesguide |
| | | |

Availability: All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo is not responsible for photographic or typographic errors.

Warranty: For a copy of applicable product warranties, write to: Warranty Information, P.O. Box 12195, RTP, NC, 27709, Attn: Dept ZPYA/B676. Lenovo makes no representation or warranty regarding third party products or services.

Footnotes:

- Power management, including Intel® SpeedStep® Technology, reduces processor speed when in battery mode.
- Weight includes battery and standard optical drive; weight may vary due to vendor components, manufacturing process and options.
- Thinness may vary at certain points on the system.
- Wireless capability: Requires compatible wireless-enabled options sold separately.
- Public network download modem speeds are limited to 53Kbps. Upload speeds are limited to 48Kbps for V.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.
- Maximum memory capacity may require the replacement of standard component with largest supported component available. On ThinkPad systems, even though it is possible to physically install 4GB of memory, the actual amount of memory addressable by a 32-bit operating system will be limited to 3GB. This limitation does not exist with 64-bit operating systems.
- B Hard drive: GB = billion bytes, TB = trillion bytes. Accessible capacity is less; up to 4GB is service partition.

- ¹⁰ Battery: These model numbers achieved the battery life based on MobileMark® 2007 during testing. Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning, and other customer preferences.
- ¹² Limited warranty: Support unrelated to a warranty issue may be subject to additional charges.
- 13 Internet access not included.
- ¹⁴ Included software may differ from its retail version (if available), and may not include user manuals or all program functionality. Software license agreements may apply.
- ¹⁶ Activating Verizon Wireless Service: Lenovo customers will be contacted after purchase to activate service; requires separate agreement with Verizon Wireless and is subject to the Customer Agreement, Calling Plan, and credit approval. Service, airtime, and early termination charges may apply. Verizon Wireless, not Lenovo, is solely responsible for service. Service not available in all areas; purchaser is responsible for verifying that service is available for the intended location before purchasing a computer equipped with WAN card. Network details, coverage limitations, and maps at www.verizonwireless.com.
- ¹⁷ International Warranty Service is available in any country in which this product is sold and serviced. Service delivery methods and parts availability vary by country, may be different from that in the country of purchase, and are subject to change without notice. Fees and restrictions may apply in some countries.

- ¹⁸ Telephone support may be subject to additional charges, even during the limited warranty period. Response times may vary. May exclude some holidays. If a machine is listed as having "On-site service for select repairs", this means that onsite service is available only for the replacement of select parts. For all other warranty repairs, Lenovo will provide the customer a replacement part for customer installation. The parts for which onsite service is available varies by machine, but may include the processor, power supply, heat sink, system board, or base cover. For ThinkPad notebooks with EasyServ or Courier service, Lenovo will attempt to diagnose and resolve the problem remotely before sending a courier.
- ¹⁹ EasyServ depot repair service: In the United States call 1-800-426-7378. The customer may be asked certain diagnostic questions before a courier is sent. Your ThinkPad purchase includes this depot repair service, available in the U.S. during the limited warranty period.
- Operating System: Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Refer to lenovo.com/pc/support and enter your machine type and model number for more information.

- ²² ThinkPlus Services: These services are available for machines normally used for business, professional, or trade purposes, rather than personal, family, or household purposes. Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part will be express shipped to you for quick replacement. Onsite 24x7x2-hour service is not available in all locations. For Think-Pad notebooks requiring LCD or other component replacement, Lenovo may choose to perform service at the depot repair center. Calls must be received by 5 pm local time in order to qualify for Next Business Day service. P&L means parts and labor, P/U means pick-up. See ThinkPlus terms and conditions for complete details and restrictions.
- 23 Activating AT&T Wireless Service:

Requires separate agreement with AT&T, subject to service agreement, rate plan and coverage maps. AT&T, not Lenovo, is solely responsible for service. Coverage not available in all areas; AT&T BroadbandConnect available in select metropolitan markets. Special credit and tenure restrictions and additional charges may apply to international roaming. A network connection, thirdparty software, additional hardware, and/ or subscription to a third-party service may be required for certain solutions/ applications. Additional restrictions apply, including early termination fee; see www.wireless.att.com for details. To activate call Lenovo Wireless Activation Hot Line at 1-877-299-4710.

- ²⁴ Limited onsite service systems are designed to be repaired during the applicable warranty period primarily with customer-replaceable parts provided by Lenovo. Lenovo will only send a technician onsite to perform a repair if (a) remote telephone diagnosis and/or customer part replacement are unable to resolve the problem, or (b) the part is one of the few designated by Lenovo for onsite replacement. For a list of onsite replaceable parts, contact Lenovo. In the United States call 1-800-426-7378. Support unrelated to a warranty issue may be subject to additional charges. Lenovo onsite repair (LOR), 8 am to 5 pm, Monday through Friday coverage excluding holidays, next business day (NBD) response time.
- Based on IEEE 802.11a and 802.11b. A customer can not upgrade to a different wireless Mini PCI adapter due to FCC regulations. Security screws prevent removal of this adapter. This wireless LAN product has been designed to permit legal operation world-wide in regions which it is approved. This product has been tested and certified to be interoperable by the Wireless Ethernet Compatibility Alliance and is authorized to carry the Wi-Fi logo.

- The IEEE 802.11n specification (MIMO) has been finalized and is currently in IEEE 802.11n-2009 release. The maximum speed depends on the access point device and the number of integrated antenna used for connection. An adapter with 11a/b, 11a/b/g, 11b/g/n, or 11a/b/g/n can communicate on any of its supported formats.
- Measures only maximum data transfer rate, not application performance. Many factors affect application performance.
- Wireless: Based on IEEE 802.11a, 802.11b, and 802.11g respectively. An adapter with 11a/b, 11b/g, or 11a/b/g can communicate on either/any of these listed formats respectively, the actual connection will be based on the access point to which it connects.

- Operating system: Level of support varies by operating system. Operating systems not preloaded on the system may not provise full feature functionality. Refer to lenovo.com/think/support and enter your machine type and model number for more information.
- ³⁷ Battery: The ThinkPad Edge and ThinkPad SL series do not support batteries that are not genuine Lenovo-made or authorized. These systems will continue to boot, but may not charge unauthorized batteries.
 Warning: Lenovo has no responsibility for the performance or safety of unauthorized batteries, and provides no warranties for failures or damage arising out of their use.

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Personal Systems Reference Lenovo® ThinkCentre TopSeller™ Desktops

April 2010 - Version 375



Lenovo ThinkCentre M90/M90p (Eco Ultra Small, Small, Tower Form Factors)

ThinkCentre.



Kensington® MicroSaver® Cable Lock 73P2582 Kensington Twin Head Cable Lock 45K1620



1GB PC2-6400 NP DDR2 UDIMM 41U2977 2GB PC2-6400 NP DDR2 UDIMM 41U2978 1GB PC3-8500 DDR3 UDIMM 45J5434 2GB PC3-8500 DDR3 UDIMM 45J5435 1GB PC3-8500 DDR3 SODIMM (notebook) 43R1987 2GB PC3-8500 DDR3 SODIMM (notebook) 43R1988 (UDIMM for SFF, Tower only; SODIMM for Eco USFF only)



ATI™ Radeon™ HD 3470 256MB (DP, VGA) 45K1636



Lenovo® USB-to-DVI Monitor Adapter 45K5296



Ultraslim Wireless Keyboard and Mouse 57Y4700



Lenovo Laser Mouse (USB) 41U3074





Lenovo ThinkCentre M58e Small and Lenovo ThinkCentre M58e Tower





Lenovo ThinkCentre M58e Small

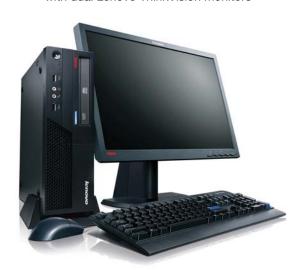




Lenovo ThinkCentre M58e Tower



Lenovo ThinkCentre M58e Small with dual Lenovo ThinkVision monitors



Lenovo ThinkCentre M58e Small with Lenovo ThinkVision monitor



Lenovo ThinkCentre M58e Tower with Lenovo ThinkVision monitor

| Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory ⁸ | SATA disk | SATA optical | Graphics | Preload | Global Educ | Avail date |
|--------------|----------------------|---------------|--------------------------------|--------------|-------------|-------|---------------------|-----------------------------|---------------|------------|------------------|----------------|------------------|
| M58e M58e | 7259-B1U 7259-B2U | 2x3 2x3 | Pentium E6300 Pentium E6300 | 2.80 2.80 | 2MB 2MB | 2 | 1GB 2GB | 250GB ² 250GB | DVD DVD±RW | GMA GMA | XP Pro XP Pro | None None | Nov 09 Nov 09 |
| M58e | 7259-B3U | 2x3 | Pentium E6300 | 2.80 | 2MB | 2 | 3GB | 500GB | DVD±RW | GMA | XP Pro | None | Nov 09 |

- These small and medium business (SMB) models are part of the US TopSeller™ Program
 These models have a 1-year limited warranty¹

| Positioning Processor Implementation | Mainstream enterprise sta Intel® Pentium® Processo 1066MHz system bus, and Processor in LGA775 sock | or É6300 with dual-core , I 2MB L2 cache | Small | optical disk (in rear) | | | |
|---|---|--|---|--|--|--|--|
| Memory | non-parity, dual-channel ca Italics: standard men | GB max ⁸ , PC2-6400 800MHz DDR2 , apable, two 240-pin DIMM sockets; nory in both sockets; no sockets avail; nory in one socket; one socket available | Bay ② 3.5", Bay ③ 3.5", | 1.6" high, access, std optical 1" high, no access, std disk .5" high, access, open (reader) rofile, PCI Express x16 (35w max) | | | |
| Graphics | integrated graphics in G41 (up to 512MB [1GB model one analog VGA DB-15 co | s], 1GB [2GB or 3GB models]), | Slot 2: Low Pi Business bla 12.5" W X 1 317mm W X | rofile, 32-bit PCI 2.3 ack color; metal case 4.0" D X 3.9" H (355mm D X 99mm H kg) in maximum configuration | | | |
| SATA disk SATA controller SATA DVD SATA DVD±RW SATA cables eSATA port Diskette drive | Serial ATA, SATA 3.0Gb/s, Some: DVD-ROM DL SAT Some: Super Multi-Burne | .0Gb/s 7200 rpm, vibration dampening integrated in ICH7 A 1.5Gb/s 16-48X Max ⁴ Drive DL DVD±RW SATA 1.5Gb/s Drive drop to device), two SATA connectors | Toolless cover flips up and tilts backward on rea Toolless disk, optical drive removal Toolless adapter retention Toolless systemboard retention System floor stand for vertical orientation | | | | |
| Media reader Chipset | None Intel G41 Express Chipse I/O Controller Hub 7 [ICH7 | et (PCI Express® x16),] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3 | • Security • Security slot (in rear for attachm optional Kensington® MicroSave - optional cable also locks the optional cable | | | | |
| Front ports Rear ports Rear audio ports Audio Speaker IEEE 1394 Ethernet Intel AMT Modem Security chip | Four USB 2.0, serial (9-pir ethernet (RJ-45), monitor Line-in (stereo, 3.5mm), lir High Definition (HD) Audio One internal speaker for b None | ne-out (stereo, 3.5mm), microphone (stere , Realtek® ALC662 codec | se (PS/2), | deactivating the cover release buttons Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard, mouse, diskette Serial port I/O control Parallel port I/O control USB port disablement | | | |
| Keyboard Mouse Power supply | | ard (USB connector), 104-key, black, Lenc B connector), 400 dpi, black, Lenovo logo eed fan, autosensing | ovo® logo | Supports ThinkVantage® technologies GREENGUARD® certified | | | |
| through downg Windows 7 Pr Preloaded appl Rescue and R Client Security ThinkVantage ThinkVantage ThinkVantage McAfee® Virus (30 days of vir Lenovo Syster Adobe® Reade Windows Live Microsoft® Offi Roxio® Creato (DVD±RW) Roxio MyDVD | Professional preinstalled grade rights in Genuine ofessional ications⁵ (only some listed) ecovery™ / r Solution™ Productivity Center System Update Power Manager Scan® Plus us definitions) in Toolbox er® Toolbar ce 2007 Trial (60-day) r® Business Edition | Accessories 1GB PC2-6400 DDR2 UDIMM 2GB PC2-6400 DDR2 UDIMM 250GB SATA 3.0Gb/s Disk (7200 rpm) 500GB SATA 3.0Gb/s Disk (7200 rpm) 1TB SATA 3.0Gb/s Disk (7200 rpm) DVD-ROM DL SATA 1.5Gb/s 16-48X Ma Super Multi-Burner DL DVD±RW SATA DisplayPort™ to Single-link DVI-D Cable ADD2 DVI-D Monitor Connection (HDCP ATI™ Radeon™ HD 3470 256MB (DP, VON NVIDIA® Quadro® 256MB FX 370 LP NVIDIA® Quadro® 256MB NVS 290 More accessories on O-M58E sheet Acc Guide in pdf lenovo.com/accessories Other accessories at lenovo.com/acces | Orive 41N5620 45J7915 43R1985 6A) 45K1636 55Y9275 43R1765 esguide | Limited Warranty¹ 2 1-year parts and labor 2 International Warranty Service³ 2 Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) 3 Onsite service upgrade options (in eligible locations):7 • 1-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9189) • 2-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9187) • 2-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9190) • 3-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9188) • 3-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9191) 7 ThinkPlus part number 41C9191) 7 ThinkPlus services at lenovo.com/thinkplus/warranty Post warranty maintenance services available 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 | | | |

| Name | Slot x Type-model bay Processor | | GHz | L2 GHz cache Cores Memory ⁸ | | SATA disk | SATA optical Graphics | | Win7 preload | Global Educ | Avail date | | |
|--------------|------------------------------------|------------|--------------------------------|---|------------|--------------|--------------------------|-----------------------------|------------------|----------------|------------------|--------------|------------------|
| M58e M58e | 7259-D3U 7259-D2U | 2x3 2x3 | Celeron E3200 Pentium E5400 | 2.40 2.70 | 1MB 2MB | 2 | 1GB 2GB | 250GB ² 250GB | DVD±RW DVD+RW | GMA GMA | Pro 32 Pro 32 | None None | Jan 10 Jan 10 |
| M58e | 7259-D1U | 2x3 | Pentium E5400 | 2.70 | 2MB | 2 | 3GB | 320GB | DVD±RW | GMA | Pro 32 | None | Jan 10 |

- These small and medium business (SMB) models are part of the US TopSeller™ Program
 These models have a 1-year limited warranty¹

| Positioning Processor | Mainstream enterprise sta Intel® Celeron® Processo 800MHz system bus, and Intel Pentium® Processo 800MHz system bus, and a Processor in LGA775 sock | or E3200 with dual-coré , 1MB L2 cache or r E5400 with dual-core , 2MB L2 cache | | optical disk (in rear) 1.6" high, access, std optical 1" high, no access, std disk |
|--|---|--|--|--|
| Memory | 1GB, 2GB, or 3GB std, 40 non-parity, dual-channel callalics: standard men | GB max ⁸ , PC2-6400 800MHz DDR2 , apable, two 240-pin DIMM sockets; nory in both sockets; no sockets avail; nory in one socket; one socket available | Bay ③ 3.5", Slot 1: Low Pi Slot 2: Low Pi | rofile, PCI Express x16 (35w max) rofile, 32-bit PCI 2.3 ack color; metal case |
| Graphics | integrated graphics in G41 (up to 253MB [1GB model 1277MB [3GB models]), one analog VGA DB-15 co | s], 765MB <i>[2GB models]</i> , or | • 12.5" W X 1 • 317mm W X • 16.5 lb (7.5 • Toolless cov • Toolless dis • Toolless ada | 4.0" D X 3.9" H (355mm D X 99mm H kg) in maximum configuration ver flips up and tilts backward on rear hinges k, optical drive removal apter retention |
| SATA disk SATA controller SATA DVD±RW SATA cables eSATA port Diskette drive Media reader | Serial ATA, SATA 3.0Gb/s, Super Multi-Burner DL DV | .0Gb/s 7200 rpm, vibration dampening integrated in ICH7 D±RW SATA 1.5Gb/s Drive drop to device), two SATA connectors on | System floo | stemboard retention r stand for vertical orientation Security • Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) - optional cable also locks the cover by |
| Chipset | Intel G41 Express Chipse I/O Controller Hub 7 [ICH7 LPC bus) | et (PCI Express® x16), [] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3 | deactivating the cover release buttons Power-on password Administrator password Hard disk password | |
| Front ports Rear ports Rear audio ports Audio Speaker IEEE 1394 Ethernet Intel AMT | Four USB 2.0, serial (9-pir ethernet (RJ-45), monitor Line-in (stereo, 3.5mm), lir High Definition (HD) Audio One internal speaker for b None | ne-out (stereo, 3.5mm), microphone (stere , Realtek® ALC662 codec | ıse (PS/2), | Boot sequence control Boot without keyboard, mouse, diskette Serial port I/O control Parallel port I/O control USB port disablement |
| Modem Security chip | None None | | | Supports ThinkVantage® technologies |
| Keyboard Mouse Power supply | Preferred Pro USB Keyboa Optical Wheel Mouse (USI 280 watts with variable spe | ard (USB connector), 104-key, black, Lenc B connector), 400 dpi, black, Lenovo logo bed fan, autosensing | ovo® logo | GREENGUARD® certified RoHS-compliant |
| Preloaded appl Rescue and R Password Mar ThinkVantage ThinkVantage ThinkVantage Lenovo Online Norton™ Inter (30 days of vir Adobe® Reade Adobe Flash® Skype™ for W Microsoft® Offi | ows® 7 Professional 32 ications⁵ (only some listed) ecovery™ nager System Update Power Manager Toolbox Data Backup net Security 2009 us definitions) er® Player indows ce 2007 Trial (60-day) r® Business Edition | Accessories 1GB PC2-6400 DDR2 UDIMM 2GB PC2-6400 DDR2 UDIMM 250GB SATA 3.0Gb/s Disk (7200 rpm) 500GB SATA 3.0Gb/s Disk (7200 rpm) 1TB SATA 3.0Gb/s Disk (7200 rpm) Super Multi-Burner DL DVD±RW SATA ID DisplayPort™ to Single-link DVI-D Cable ADD2 DVI-D Monitor Connection (HDCF ATI™ Radeon™ HD 3470 256MB (DP, VC) NVIDIA™ Quadro™ 256MB FX 370 LP NVIDIA Quadro 256MB NVS 290 More accessories on O-M58E sheet Acc Guide in pdf lenovo.com/accessorie Other accessories at lenovo.com/accessorie | 45J7915 43R1985 6A) 45K1636 55Y9275 43R1765 esguide | Limited Warranty¹ 1-year parts and labor International Warranty Service³ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) Onsite service upgrade options (in eligible locations):¹ 1-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9189) 2-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9187) 2-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9190) 3-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9188) 3-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9191) ThinkPlus part number 41C9191) ThinkPlus services at lenovo.com/thinkplus/warranty Post warranty maintenance services available 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 |

| Name Type-model | Slot x bay Processor | GHz o | L2 | res Memory | SATA disk | SATA | Graphics | Chassis intr switch | Droload | Global Educ | Avail date |
|--|---|---|---|---|--|--|--|---|---|--|---|
| M58e 7269-D5U M58e 7269-D6U M58e 7269-D6U M58e 7269-D7U M58e 7269-D8U M58e 7269-F1U | 2x3 Pentium E5400 2x3 Pentium E6300 2x3 Pentium E6300 2x3 Pentium E6300 2x3 Core 2 Duo E7500 2x3 Core 2 Quad Q9400 2x3 Core 2 Quad Q9500 | 2.70 2.80 2.80 2.93 2.93 2.66 0 2.83 | 2MB 2MB 2MB 3MB 6MB 6MB | 2 1GB 2 1GB 2 2GB 2 3GB 4 3GB 4 3GB | 250GB 250GB 250GB 320GB 500GB | DVD DVD DVD±RW DVD±RW DVD±RW DVD±RW | GMA GMA GMA GMA GMA | Switch Switch | XP Pro XP Pro XP Pro XP Pro XP Pro | None None None None | Jan 10 Nov 09 Nov 09 Nov 09 Nov 09 Mar 10 |
| | These small and medium These models have a 3- | ™ Prograi | Program | | | | | | | | |
| Positioning Processor | Mainstream enterprise sta Intel® Pentium® Processo 800MHz system bus, and 2 Intel Pentium Processor 1066MHz system bus, and Intel Core™ 2 Duo Proces 1066MHz system bus, and Intel Core 2 Quad Proces 1333MHz system bus, and Processor in LGA775 sock | Bay ② 3.5", Bay ③ 3.5", Slot 1: Low F | optical disk (in rear) 5.25", 1.6" high, access, std optical 3.5", 1" high, no access, std disk 3.5", .5" high, access, open (reader) :Low Profile, PCI Express x16 (35w max) | | | | | | | | |
| Memory | 1GB, 2GB, or 3GB std, 40 non-parity, dual-channel ca <i>Italics:</i> standard men <i>Non-italics:</i> standard men Intel Graphics Media Act | 12.5" W X 317mm W 16.5 lb (7.5) Toolless co Toolless di | black color; metal case 14.0" D X 3.9" H / X 355mm D X 99mm H 5 kg) in maximum configuration over flips up and tilts backward on rear hing isk, optical drive removal | | | | | | | | |
| | integrated graphics in G41 (up to 512MB [1GB models one analog VGA DB-15 co supports dual independent | s], 1GB <i>[2G</i> nnector, Dir | Toolless sy | dapter retention ystemboard retention or stand for vertical orientation | | | | | | | |
| SATA disk SATA controller SATA DVD SATA DVD±RW SATA cables eSATA port Diskette drive Media reader | 250GB, 320GB, or 500GB vibration dampening mount Serial ATA, SATA 3.0Gb/s, Some: DVD-ROM DL SAT. Some: Super Multi-Burner Two SATA cables (each 1-th None None None | | Security Security Security slot (in rear for attachment of optional Kensington® MicroSaver® cable optional cable also locks the cover by deactivating the cover release buttons. Power-on password Administrator password Hard disk password Boot sequence control | | | | r® cable) over by | | | | |
| Chipset Front ports | Intel G41 Express Chipse I/O Controller Hub 7 [ICH7 LPC bus) Two USB 2.0, microphone |] (SATA 3.0 (stereo, 3.5 | Gb/s, PC 5mm), hea | Éxpress x1 | ereo, 3.5n | nm) | Boot without keyboard, mouse, diskett Serial port I/O control Parallel port I/O control USB port disablement Some: Chassis intrusion switch Supports ThinkVantage® technologies GREENGUARD® certified RoHS-compliant | | | | diskette |
| Rear ports Rear audio ports Audio Speaker IEEE 1394 Ethernet Intel AMT | Four USB 2.0, serial (9-pin ethernet (RJ-45), monitor (Line-in (stereo, 3.5mm), lin High Definition (HD) Audio One internal speaker for but None Gigabit ethernet on planar, None | VGA DB-15 e-out (stere , Realtek® A usiness aud | 5) eo, 3.5mn ALC662 d lio | n), micropho odec | ne (stere | , ,, | | | | | gies |
| Modem Security chip Keyboard Mouse Power supply | None None Preferred Pro USB Keyboa Optical Wheel Mouse (USI 280 watts with variable spe | 3 connector |), 400 dp | i, black, Len | | vo® logo | ⇒ 3-y ⇒ Inte ⇒ Cus | RU) | | | |
| through downg Windows 7 Pro Preloaded appli Rescue and R Client Security ThinkVantage ThinkVantage ThinkVantage McAfee® Virus (30 days of virus (30 days of virus Lenovo Syster Adobe® Reade Windows Live® Microsoft® Offi Roxio® Creaton (DVD±RW) Roxio MyDVD® | Professional preinstalled grade rights in Genuine ofessional cations (only some listed) ecovery (only some listed) ecover Manager Scan (only some listed) productivity Center System Update Power Manager Scan (only listed) productivity (only some listed) end (only some listed) expression (only some listed) expression (only some listed) end (only some | 500GB SATA DVD-ROM Super Multi DisplayPor ADD2 DVI- ATI™ Rade NVIDIA® Q NVIDIA Qu More acce: Acc Guide | 6400 DDI 6400 DDI TA 3.0Gb TA 3.0Gb/s DL SATA ti-Burner tt [™] to Sin -D Monitc con [™] HD Quadro® 2 uadro 256 ssories o in pdf lei | R2 UDIMM /s Disk (720 /s Disk (720 Disk (7200 r \ 1.5Gb/s 16 | 0 rpm) cm) -48X Max V SATA D D Cable n (HDCP) 3 (DP, VG) 0 LP 0 heet ccessorie | rive 41N5620 45J7915) 43R1985 A) 45K1636 55Y9275 43R1765 | for Mo nes on Mo | ts only (wi selected p n - Fri cow tt business site service eligible loo l-year LOR ThinkPlus p l-year LOR ThinkPlus p l-year LOR ThinkPlus p looked by looked ThinkPlus p nkPlus selovo.com/tr st warranty vices avail hour x 7 da hour x 7 da ing the wa 800-426-73 | earts ³ , 8 alerage exc s day resp e upgrade cations): ⁷ 9x5, 4 ho part numbe 9x5, Nex part numbe 9x5, 4 ho part numbe 124x7, 4 ho part number vices at ninkplus/w mainten lable lay! ⁴ toll-fr urranty pe | m - 5 pn luding I ponse ti e option our resp ber 41C9 t Busine er 41C9 our resp er 41C9 our resp er 41C9 arranty ance | n, nolidays, me) s onse 9192) ponse 193) ss Day 194) onse 195) ponse 196) |

| Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory ⁸ | SATA disk | SATA optical | Graphics | Win7 preload | Global Educ | Avail date |
|---|----------------------|---------------|--|--------------------------------------|---------------------------------|-----------------------|---------------------------------|--|---|---------------------------------|--|------------------------------|--|
| M58e M58e M58e ≥ M58e ■ M58e | 7269-E8U 7269-E9U | 2x3 | Pentium E5400 Pentium E5400 Core 2 Duo E7500 Core 2 Quad Q9400 Core 2 Quad Q9500 | 2.70 2.70 2.93 2.66 2.83 | 2MB 2MB 3MB 6MB 6MB | 2 2 2 4 4 | 1GB 2GB 3GB 3GB 3GB | 250GB ² 250GB 320GB 500GB 500GB | DVD DVD±RW DVD±RW DVD±RW DVD±RW | GMA GMA GMA GMA GMA | Pro 32 Pro 32 Pro 32 Pro 32 Pro 32 | None None None None | Jan 10 Jan 10 Jan 10 Jan 10 Mar 10 |

- These small and medium business (SMB) models are part of the US TopSeller™ Program
- These models have a 3-year limited warranty

| Positioning Processor | Mainstream enterprise stability and manageability Intel® Pentium® Processor E5400 with dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core™ 2 Duo Processor E7500 with dual-core, 1066MHz system bus, and 3MB L2 cache or Intel Core 2 Quad Processor Q9400 or Q9500 with quad-core, 1333MHz system bus, and 6MB L2 cache Processor in LGA775 socket | Bay ② 3.5", Bay ③ 3.5", | optical (in rear) 1.6" high, access, std optical 1" high, no access, std disk .5" high, access, open (reader) rofile, PCI Express x16 (35w max) | | | | |
|--|---|--|--|--|--|--|--|
| Memory | 1GB, 2GB, or 3GB std, 4GB max ⁸ , PC2-6400 800MHz DDR2, non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets avail; <i>Non-italics:</i> standard memory in one socket; one socket available | Slot 2: Low P • Business bl • 12.5" W X 1 | Profile, 32-bit PCI 2.3 lack color; metal case 14.0" D X 3.9" H X 355mm D X 99mm H | | | | |
| Graphics | Intel Graphics Media Accelerator X4500 (GMA X4500), integrated graphics in G41, uses main memory (up to 253MB [1GB models], 765MB [2GB models], or 1277MB [3GB models]), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter | 16.5 lb (7.5 Toolless cov Toolless dis Toolless ada Toolless sys | kg) in maximum configuration /er flips up and tilts backward on rear hinges k, optical drive removal apter retention stemboard retention r stand for vertical orientation | | | | |
| SATA disk SATA controller SATA DVD SATA DVD±RW SATA cables eSATA port Diskette drive Media reader | 250GB, 320GB, or 500GB, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts Serial ATA, SATA 3.0Gb/s, integrated in ICH7 Some: DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive Some: Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Two SATA cables (each 1-drop to device), two SATA connectors or None None None | planar | Security • Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) - optional cable also locks the cover by deactivating the cover release buttons • Power-on password • Administrator password Hard disk password | | | | |
| Chipset | Intel G41 Express Chipset (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2 LPC bus) | .3, USB, | Boot sequence control Boot without keyboard, mouse, diskette Serial port I/O control Parallel port I/O control | | | | |
| Front ports Rear ports Rear audio ports Audio | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mur USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), moethernet (RJ-45), monitor (VGA DB-15) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (ste High Definition (HD) Audio, Realtek® ALC662 codec | use (PS/2), | USB port disablement | | | | |
| Speaker IEEE 1394 | One internal speaker for business audio None | | Supports ThinkVantage® technologies | | | | |
| Ethernet Intel AMT Modem Security chip | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® None None None | | GREENGUARD® certified RoHS-compliant | | | | |
| Keyboard Mouse Power supply | Preferred Pro USB Keyboard (USB connector), 104-key, black, Ler Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo log 280 watts with variable speed fan, autosensing | | Limited Warranty ¹ 3-year parts and labor International Warranty Service ⁹ Customer Replaceable Unit (CRU) | | | | |
| Preloaded appl Rescue and R Password Mar ThinkVantage | lows® 7 Professional 32 1GB PC2-6400 DDR2 UDIMM 2GB PC2-6400 DDR2 UDIMM 2GB PC2-6400 DDR2 UDIMM 250GB SATA 3.0Gb/s Disk (7200 rpm) 1500GB SATA 3.0Gb/s Disk (7200 rpm) 17D CATA 3.0Gb/s Disk (7200 rp | 41U2977 41U2978 41N3015 43R1990 45J7918 ax 41N5618 | parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) Onsite service upgrade options (in eligible locations): 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) | | | | |

- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Lenovo Online Data Backup Norton™ Internet Security 2009
- (30 days of virus definitions) Adobe® Reader® Adobe Flash® Player Skype™ for Windows

- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)

Super Multi-Burner DL DVD±RW SATA Drive 41N5620

Super Multi-Burner DL DVD±RW SATA Drive DisplayPort™ to Single-Ink DVI-D Cable ADD2 DVI-D Monitor Connection (HDCP) ATI™ Radeon™ HD 3470 256MB (DP, VGA) NVIDIA® Quadro® 256MB FX 370 LP NVIDIA Quadro 256MB NVS 290

More accessories on O-M58E sheet

Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories

- (ThinkPlus™ part number 41C9192)
- 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193)
- 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) 4-year LOR 9x5, 4 hour response
- (ThinkPlus part number 41C9195) 4-year LOR 24x7, 4 hour response
- (ThinkPlus part number 41C9196)
- ThinkPlus services at lenovo.com/thinkplus/warranty Post warranty maintenance

45J7915

43R1985

45K1636

55Y9275

43R1765

services available 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378

| Slot x Name Type-model bay | Processor | GHz | L2 GHz cache Cores Memory ⁸ | | SATA disk | 2nd Disk Bay | SATA optical | | | Global Educ | Avail date | |
|-------------------------------|---------------|------|---|---|--------------|--------------------|--------------|--------|-----|----------------|---------------|--------|
| M58e 7258-B1U 4x4 | Pentium E6300 | 2.80 | 2MB | 2 | 1GB | 250GB ² | None | DVD | GMA | XP Pro | None | Nov 09 |
| M58e 7258-B2U 4x4 | Pentium E6300 | 2.80 | 2MB | 2 | 2GB | 250GB | None | DVD±RW | GMA | XP Pro | None | Nov 09 |
| M58e 7258-B3U 4x4 | Pentium E6300 | 2.80 | 2MB | 2 | 3GB | 500GB | None | DVD±RW | GMA | XP Pro | None | Nov 09 |

- These small and medium business (SMB) models are part of the US TopSeller $^{\!\top\!\!}$ Program
- These models have a 1-year limited warrant

| | These models have a 1- | year limited warranty | oo ropoener | Trogram |
|--|--|--|--|--|
| Positioning Processor Implementation Memory | non-parity, dual-channel ca Italics: standard mer | or É6300 with dual-core , I 2MB L2 cache | 6.9" W X 17 175mm W X 24.7 lb (11.2) Handle on to Toolless cov | |
| Graphics | integrated graphics in G41 (up to 512MB [1GB model one analog VGA DB-15 co | s], 1GB [2GB or 3GB models]), | Bay ① 5.25", Bay ② 5.25", Bay ③ 3.5", | apter retention 1.6" high, access, std optical 1.6" high, access, open 1" high, access, open (reader/diskette) |
| SATA disk SATA controller SATA DVD SATA DVD±RW SATA cables eSATA port Diskette drive Media reader | Serial ATA, SATA 3.0Gb/s, Some: DVD-ROM DL SAT Some: Super Multi-Burne | .0Gb/s 7200 rpm, vibration dampening integrated in ICH7 A 1.5Gb/s 16-48X Max ⁴ Drive r DL DVD±RW SATA 1.5Gb/s Drive drop to device), four SATA connectors | Bay @ 3.5", Slot 1: half-ler Slot 2: half-ler Slot 3: half-ler | 1" high, no access, std disk ngth, full-height, PCI Express x16 (75w max) ngth, full-height, PCI Express x1 ngth, full-height, 32-bit PCI 2.3 ngth, full-height, 32-bit PCI 2.3 Security |
| Chipset | Intel G41 Express Chips | et (PCI Express® x16),] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3 | 3, USB, | One lock to secure both cover and entire system to fixed object: Padlock loop (in rear for opt padlock) Security slot (in rear for optional |
| Front ports Rear ports Rear audio ports Audio Speaker IEEE 1394 Ethernet Intel AMT Modem Security chip | Four USB 2.0, serial (9-pir ethernet (RJ-45), monitor Line-in (stereo, 3.5mm), lir High Definition (HD) Audic One internal speaker for b None | ne-out (stereo, 3.5mm), microphone (stere , Realtek® ALC662 codec | ıse (PS/2), | Kensington® MicroSaver® cable) Power-on password Administrator password Hard disk password Boot sequence control Boot without keyboard, diskette Serial port I/O control Parallel port I/O control USB port disablement |
| Keyboard Mouse Power supply | Optical Wheel Mouse (US 280 watts with variable spo | | | Supports ThinkVantage® technologies GREENGUARD® certified RoHS-compliant |
| through down Windows 7 Pr Preloaded appl Rescue and F Client Security ThinkVantage ThinkVantage ThinkVantage McAfee® Virus (30 days of virus Lenovo Systet Adobe® Reade Windows Live Microsoft® Off Roxio® Creato (DVD±RW) Roxio MyDVD | Professional preinstalled grade rights in Genuine ofessional ications⁵ (only some listed) lecovery™ / Solution™ Productivity Center System Update Power Manager Scan® Plus rus definitions) m Toolbox er® Toolbar ice 2007 Trial (60-day) rr® Business Edition | Accessories 1GB PC2-6400 DDR2 UDIMM 2GB PC2-6400 DDR2 UDIMM 500GB SATA 3.0Gb/s Disk (7200 rpm) 1TB SATA 3.0Gb/s Disk (7200 rpm) DVD-ROM DL SATA 1.5Gb/s 16-48X Ma Super Multi-Burner DL DVD±RW SATA Blu-ray™ Burner SATA 1.5Gb/s Drive DisplayPort™ to Single-link DVI-D Cable ADD2 DVI-D Monitor Connection (HDCF ATI™ Radeon™ HD 3470 256MB (DP, VC NVIDIA® GeForce® 9500GT 512MB (DP, NVIDIA Quadro® 256MB NVS 290 More accessories on O-M58E sheet Acc Guide in pdf lenovo.com/accessoric Other accessories at lenovo.com/accessoric | Orive 41N5620 45K1675 45J7915 P) 43R1985 GA) 45K1636 DVI)45K1635 43R1765 esguide | Limited Warranty¹ 2 1-year parts and labor 2 International Warranty Service³ 2 Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) 2 Onsite service upgrade options (in eligible locations): 1-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9189) 2-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9187) 2-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9188) 3-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9188) 3-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9188) 3-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9191) ThinkPlus services at lenovo.com/thinkplus/warranty Post warranty maintenance services available 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 |

| Slot x Name Type-model bay | Processor | GHz | GHz Cache Cores Memory ⁸ | | SATA disk | 2nd Disk Bay | SATA optical Graphics | | Win7 preload | Global Educ | Avail date | |
|-------------------------------|---------------|------|-------------------------------------|-----|--------------|--------------------|-----------------------|--------|-----------------|----------------|---------------|--------|
| M58e 7258-D3U 4x4 | Celeron E3200 | 2.40 | 1MB | 2 - | 1GB | 250GB ² | None | DVD±RW | GMA | Pro 32 | None | Jan 10 |
| M58e 7258-D2U 4x4 | Pentium E5400 | 2.70 | 2MB | 2 2 | 2GB | 250GB | None | DVD±RW | GMA | Pro 32 | None | Jan 10 |
| M58e 7258-D1U 4x4 | Pentium E5400 | 2.70 | 2MB | 2 3 | 3GB | 320GB | None | DVD±RW | GMA | Pro 32 | None | Jan 10 |

- These small and medium business (SMB) models are part of the US TopSeller™ Program
- These models have a 1-year limited warranty

| Positioning Processor | Intel® Celeron® Process 800MHz system bus, an Intel Pentium® Process 800MHz system bus, an Processor in LGA775 so | or E5400 with dual-core, d 2MB L2 cache cket | • 6.9" W X 17 • 175mm W X • 24.7 lb (11.3 • Handle on t | |
|--|--|--|--|--|
| Memory | non-parity, dual-channel <i>Italics:</i> standard m | 4GB max ⁸ , PC2-6400 800MHz DDR2 , capable, two 240-pin DIMM sockets; emory in both sockets; no sockets avail; emory in one socket; one socket available | optical drive | k, diskette drive, |
| Graphics | integrated graphics in Go (up to 253MB [1GB models]), one analog VGA DB-15 | lels], 765MB [2GB models], or | Bay ② 5.25", Bay ③ 3.5", Bay ④ 3.5", Slot 1: half-le | 1.6" high, access, std optical 1.6" high, access, open 1" high, access, open (reader/diskette) 1" high, no access, std disk ngth,full-height, PCI Express x16 (75w max) |
| SATA disk SATA controller SATA DVD±RW SATA cables | Serial ATA, SATA 3.0Gb/ Super Multi-Burner DL D | 3.0Gb/s 7200 rpm, vibration dampening s, integrated in ICH7 VD±RW SATA 1.5Gb/s Drive 1-drop to device), four SATA connectors or | Slot 3: half-le Slot 4: half-le | ngth,full-height, PCI Express x1 ngth,full-height, 32-bit PCI 2.3 ngth,full-height, 32-bit PCI 2.3 |
| eSATA port Diskette drive Media reader | None None None | 1-drop to device), tour SAIA confidencies of | Γριατιαι | Security One lock to secure both cover and entire system to fixed object: |
| Chipset | | oset (PCI Express® x16), H7] (SATA 3.0Gb/s, PCI Express x1, PCI 2 | .3, USB, | Padlock loop (in rear for opt padlock) Security slot (in rear for optional Kensington® MicroSaver® cable) Power-on password |
| Front ports Rear ports Rear audio ports Audio Speaker IEEE 1394 Ethernet Intel AMT Modem | Four USB 2.0, serial (9- ethernet (RJ-45), monito Line-in (stereo, 3.5mm), High Definition (HD) Auc One internal speaker for None | line-out (stereo, 3.5mm), microphone (ster lio, Realtek® ALC662 codec | use (PS/2), | Administrator password Hard disk password Boot sequence control Boot without keyboard, diskette Serial port I/O control Parallel port I/O control USB port disablement |
| Security chip | None | | | Supports ThinkVantage® technologies |
| Keyboard Mouse Power supply | Optical Wheel Mouse (U | oard (USB connector), 104-key, black, Ler SB connector), 400 dpi, black, Lenovo log peed fan, manual switch | | GREENGUARD® certified RoHS-compliant |
| Preloaded oper - Genuine Wind | ating system ²⁰ ows® 7 Professional 32 | Accessories 1GB PC2-6400 DDR2 UDIMM | 41U2977 | Limited Warranty¹ |

Preloaded applications⁵ (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update ThinkVantage Power Manager ThinkVantage Toolbox

- Lenovo Online Data Backup Norton™ Internet Security 2009 (30 days of virus definitions) Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day) Roxio® Creator® Business Edition
- (DVD±RW)
- Roxio MyDVD® (DVD±RW)

2GB PC2-6400 DDR2 UDIMM 41U2978 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918 Super Multi-Burner DL DVD±RW SATA Drive 41N5620 Blu-ray™ Burner SATA 1.5Gb/s Drive DisplayPort™ to Single-link DVI-D Cable 45K1675 45J7915 ADD2 DVI-D Monitor Connection (HDCP) 43R1985 ATI™ Radeon™ HD 3470 256MB (DP, VGA) 45K1636 NVIDIA® GeForce® 9500GT 512MB (DP, DVI)45K1635 NVIDIA Quadro® 256MB NVS 290 43R1765 More accessories on O-M58E sheet

Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at **lenovo.com**/accessories

- ✓ International Warranty Service⁹
 ✓ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts3, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)
- Onsite service upgrade options (in eligible locations):
 - 1-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9189)
 - 2-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9187)
 - 2-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9190)
 - 3-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9188)
 - 3-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9191)
- ThinkPlus services at
- lenovo.com/thinkplus/warranty Post warranty maintenance
- services available
- 24 hour x 7 day14 toll-free support during the warranty period¹ via 800-426-7378

| | 01-4 | 10 | | 0.474 | 0 I D' | -1- 0474 | | Observit | | Olatest | A |
|---|--|---|--|--|--|--|---|---|--|---------------------------------|--|
| Name Type-model | - | | Cores Memory ⁸ | disk | 2nd Dis Bay | optical | Graphics i | Chassis ntr switch | | | Avail date |
| M58e 7268-C4U M58e 7268-C5U M58e 7268-C6U | 4x4 Pentium E5400 4x4 Pentium E6300 4x4 Pentium E6300 4x4 Pentium E6300 4x4 Core 2 Duo E7500 4x4 Core 2 Quad Q9400 4x4 Core 2 Quad Q9500 • These small and media | 2.83 6MB m business (\$ | | 250GB ² 250GB 250GB 250GB 320GB 500GB 500GB | None None None None | DVD±RW DVD DVD±RW DVD±RW DVD±RW DVD±RW DVD±RW | GMA GMA GMA GMA GMA | Switch Switch | XP Pro XP Pro XP Pro XP Pro XP Pro XP Pro XP Pro | None None None None | Jan 10 Nov 09 Nov 09 Nov 09 Nov 09 |
| De ettle ete e | These models have a 3 | <u>- </u> | | | | | | | | | |
| Positioning Processor | Mainstream enterprise sta Intel® Pentium® Process 800MHz system bus, and Intel Pentium Processor 1066MHz system bus, an Intel Core™ 2 Duo Proce 1066MHz system bus, an Intel Core 2 Quad Proce 1333MHz system bus, an Processor in LGA775 soc | or E5400 with 2MB L2 cache E6300 with d d 2MB L2 caches sor E7500 with d 3MB L2 caches sor Q9400 of d 6MB L2 caches | dual-core, e or ual-core, ne or vith dual-core, ne or r Q9500 with q | uad-core, | • E | Business bla 5.9" W X 17. 175mm W X 24.7 lb (11.2 Handle on to Toolless cov Toolless disk optical drive Toolless ada | 3" D X 15.4440mm D kg) in max p front er removal c, diskette or removal | 8" H X 402mn x configur drive, | n H | optica ② ③ disk | |
| Memory | Non-italics: standard me | apable, two 24 mory in both s mory in one so | ay ① 5.25", ay ② 5.25", ay ③ 3.5", ay ④ 3.5", | 1.6" high, a 1.6" high, a 1" high, | access, | | reader/c | diskette) | | | |
| Graphics | Intel Graphics Media Ac integrated graphics in G4- (up to 512MB [1GB mode one analog VGA DB-15 or supports dual independer | I, uses main n <i>ls]</i> , 1GB <i>[2GB</i> onnector, Dire | ot 1: half-len ot 2: half-len ot 3: half-len ot 4: half-len | gth,full-he gth,full-he gth,full-he | ight, PCI ight, PCI ight, 32-b | Express Express oit PCI 2. | x16 (75 x1 3 | ōw max) | | | |
| SATA disk SATA controller SATA DVD SATA DVD±RW SATA cables eSATA port Diskette drive Media reader | 250GB, 320GB, or 500GI vibration dampening mour Serial ATA, SATA 3.0Gb/s Some: DVD-ROM DL SA Some: Super Multi-Burne Two SATA cables (each 1- None None None | Its integrated in FA 1.5Gb/s 16 r DL DVD±RV drop to device | nar | PadloSecuri KensiPower-oAdminist | ck to secu ystem to ck loop (i rity slot (ir ngton® M on passw | fixed obj n rear for n rear for icrosaver ord ssword | ect: r opt pa optiona | dlock) al | | | |
| Chipset | Intel G41 Express Chips I/O Controller Hub 7 [ICH LPC bus) | 7] (SATA 3.0G | b/s, PCÍ Expres | | | | Boot sequence control Boot without keyboard, diskette Serial port I/O control Parallel port I/O control | | | | |
| Front ports Rear ports Rear audio ports Audio | Two USB 2.0, microphone Four USB 2.0, serial (9-pi ethernet (RJ-45), monitor Line-in (stereo, 3.5mm), li High Definition (HD) Audio | n), parallel (25 (VGA DB-15) ne-out (stereo | i-pin), keyboard , 3.5mm), micro | d (PS/2), m | ouse | (PS/2), | Parallel port I/O control USB port disablement Some: Chassis intrusion switch | | | | |
| Speaker IEEE 1394 | One internal speaker for b | | | | | | Supports | ThinkVar | ntage® te | chnolog | jies |
| Ethernet Intel AMT Modem | Gigabit ethernet on plana None None | r, Marvell® 88E | E8057, Wake o | n LAN® | | | GREENG RoHS-co | | certified | | |
| Security chip Keyboard Mouse Power supply | None Preferred Pro USB Keybo Optical Wheel Mouse (US 280 watts with variable sp | B connector). | 400 dpi, black, | | | ® logo | ⇒ 3-year⇒ Intern⇒ Custo | parts an ational W mer Repl | arranty S aceable (| ervice ⁹ Unit (CF | RU) |
| through downg Windows 7 Pro Preloaded appli Rescue and Re Client Security ThinkVantage ThinkVantage ThinkVantage McAfee® Virus (30 days of viru Lenovo Systen Adobe® Reade Windows Live™ Microsoft® Offie Roxio® Creaton (DVD±RW) Roxio MyDVD® | Professional preinstalled grade rights in Genuine ofessional cations⁵ (only some listed ecovery™ Solution™ Productivity Center System Update Power Manager Soan® Plus us definitions) n Toolbox er® Toolbar ce 2007 Trial (60-day) ® Business Edition | 41U2977 41U2978 43R1990 45J7918 41N5618 e 41N5620 45K1675 45J7915 43R1985 45K1636 (1)45K1635 43R1765 uide | for sel Mon - next b mon - next | gible loca ear LOR 9 nkPlus pa ear LOR 2 nkPlus pa ear LOR 9 nkPlus pa ear LOR 9 nkPlus pa plus serv oc.com/thir varranty r | rts³, 8 am age excluday respections):7 x5, 4 housert numbe 4x7, 4 hor x5, Next rt numbe x5, 4 hou rt numbe 4x7, 4 hou rt numbe dices at akplus/wa annitena bile | i - 5 pm uding hoonse tin options ur responser 41C9 er 41C91 Businer r 41C91 ur responser 41C91 our responser 41C91 rranty nce | olidays, ne) s onse 9192) oonse 93) ss Day 94) onse 95) oonse 96) | | | | |

| Name Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory ⁸ | SATA disk | 2nd Disk Bay | SATA optical | Graphics | Win7 preload | Global Educ | Avail date |
|---|-------------------|--|--------------------------------------|---------------------------------|-----------------------|---------------------------------|---|------------------------------|---|---------------------------------|--|------------------------------|--|
| M58e 7268-D3U M58e 7268-D4U M58e 7268-D5U M58e 7268-D6U M58e 7268-E2U | 4x4 4x4 4x4 | Pentium E5400 Pentium E5400 Core 2 Duo E7500 Core 2 Quad Q9400 Core 2 Quad Q9500 | 2.70 2.70 2.93 2.66 2.83 | 2MB 2MB 3MB 6MB 6MB | 2 2 2 4 4 | 1GB 2GB 3GB 3GB 3GB | 250GB ² 250GB 320GB 500GB | None None None None | DVD DVD±RW DVD±RW DVD±RW DVD±RW | GMA GMA GMA GMA GMA | Pro 32 Pro 32 Pro 32 Pro 32 Pro 32 | None None None None | Jan 10 Jan 10 Jan 10 Jan 10 Mar 10 |

- These small and medium business (SMB) models are part of the US TopSeller™ Program
- These models have a 3-year limited warranty

| Positioning Processor | Mainstream enterprise stability and manageability Intel® Pentium® Processor E5400 with dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core™ 2 Duo Processor E7500 with dual-core, 1066MHz system bus, and 3MB L2 cache or Intel Core 2 Quad Processor Q9400 or Q9500 with quad-core, 1333MHz system bus, and 6MB L2 cache Processor in LGA775 socket | • 6.9" W X 17 • 175mm W X • 24.7 lb (11.3 • Handle on t • Toolless cov • Toolless dis | ver removal sk, diskette drive, | | | |
|--|---|---|---|--|--|--|
| Memory | 1GB, 2GB, or 3GB std, 4GB max ⁸ , PC2-6400 800MHz DDR2, non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets avail; <i>Non-italics:</i> standard memory in one socket; one socket available | Bay ① 5.25", | apter retention 1.6" high, access, std optical | | | |
| Graphics SATA disk | Intel Graphics Media Accelerator X4500 (GMA X4500), integrated graphics in G41, uses main memory (up to 253MB [1GB models], 765MB [2GB models], or 1277MB [3GB models]), on analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter 250GB, 320GB, or 500GB, SATA 3.0Gb/s 7200 rpm. | 41, uses main memory ## dels], 765MB [2GB models], or connector, DirectX® 10, ent display with optional ADD2 adapter Slot 2: half-le | | | | |
| SATA disk SATA controller SATA DVD SATA DVD±RW SATA cables eSATA port Diskette drive Media reader | vibration dampening mounts Serial ATA, SATA 3.0Gb/s, integrated in ICH7 Some: DVD-ROM DL SATA 1.5Gb/s 16-48X Max ⁴ Drive Some: Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Two SATA cables (each 1-drop to device), four SATA connectors on None None None | planar | Security • One lock to secure both cover and entire system to fixed object: - Padlock loop (in rear for opt padlock) - Security slot (in rear for optional Kensington® Microsaver® cable) • Power-on password | | | |
| Chipset | Intel G41 Express Chipset (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3 LPC bus) | 3, USB, | Administrator password Hard disk password Boot sequence control Boot without keyboard, diskette | | | |
| Front ports Rear ports Rear audio ports Audio | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5 Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mouethernet (RJ-45), monitor (VGA DB-15) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stered) Definition (HD) Audio, Realtek® ALC662 codec One internal speaker for business audio | ıse (PS/2), | Serial port I/O control Parallel port I/O control USB port disablement | | | |
| Speaker IEEE 1394 | None | | Supports ThinkVantage® technologies | | | |
| Ethernet Intel AMT Modem Security chip | Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® None None None | | GREENGUARD® certified RoHS-compliant | | | |
| Keyboard Mouse Power supply | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo 280 watts with variable speed fan, manual switch | | Limited Warranty¹ | | | |
| 1 | | | → Custoffier Replaceable Utilit (CRU) | | | |

Preloaded operating system²⁰

Genuine Windows® 7 Professional 32

Preloaded applications⁵ (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
 ThinkVantage Power Manager
 ThinkVantage Toolbox
- Lenovo Online Data Backup
- Norton™ Internet Security 2009
- (30 days of virus definitions) Adobe® Reader®

- Adobe Reader
 Adobe Flash® Player
 Skype™ for Windows
 Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)

Accessories

1GB PC2-6400 DDR2 UDIMM 41U2977 2GB PC2-6400 DDR2 UDIMM 41U2978 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918 DVD-ROM DL SATA 1.5Gb/s 16-48X Max 41N5618 Super Multi-Burner DL DVD±RW SATA Drive 41N5620 Blu-ray™ Burner SATA 1.5Gb/s Drive 45K1675 DisplayPort™ to Single-link DVI-D Cable 45J7915 ADD2 DVI-D Monitor Connection (HDCP) ATI™ Radeon™ HD 3470 256MB (DP, VGA) 43R1985 45K1636 NVIDIA® GeForce® 9500GT 512MB (DP, DVI)45K1635 NVIDIA Quadro® 256MB NVS 290 43R1765 43R1765

More accessories on O-M58E sheet Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories

- Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts3, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)
- Onsite service upgrade options (in eligible locations):
 - 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192)
 - 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) 4-year LOR 9x5, Next Business Day
 - (ThinkPlus part number 41C9194) 4-year LOR 9x5, 4 hour response
 - (ThinkPlus part number 41C9195) 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196)
- ThinkPlus services at lenovo.com/thinkplus/warranty
- Post warranty maintenance services available
- 24 hour x 7 day14 toll-free support during the warranty period via 800-426-7378

ThinkCentre® M58e Accessories

Partial list of accessories supported on ThinkCentre M58e

| M | m | $\boldsymbol{\circ}$ | r | , |
|---|---|----------------------|---|---|
| | | | | |

| 1GB PC2-6400 DDR2 UDIMM | 41U2977 | ann 09/26/06 |
|-----------------------------------|---------|--------------|
| 1GB PC2-6400 DDR2 UDIMM (25-Pack) | 51J0549 | ann 03/17/09 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 | ann 01/08/08 |
| 2GB PC2-6400 DDR2 UDIMM (25-Pack) | 51J0550 | ann 03/17/09 |

Optical

All:

DVD-ROM DL SATA 1.5Gb/s 16X-48X Max⁴ 41N5618 ann 09/26/06 Super Multi-Burner DL DVD±RW SATA Drive 41N5620 ann 09/26/06

*Tower 7268/7270/7298/7491/7307/7508/7847/7843/7258 support:*Blu-ray™ Burner SATA 1.5Gb/s Drive 45K1675 *ann 03/31/09*

Storage and removable storage

| USB 2.0 Essential Memory Key 4GB USB 2.0 Essential Memory Key 8GB USB 2.0 Essential Memory Key 8GB USB 2.0 Ultra Secure Memory Key 1GB USB 2.0 Ultra Secure Memory Key 2GB USB 2.0 Ultra Secure Memory Key 4GB USB 2.0 Ultra Secure Memory Key 4GB USB 2.0 Ultra Secure Memory Key 8GB USB 2.0 Ultra Secure Memory Key 8GB USB 2.0 Portable 320GB Hard Disk USB 2.0 Portable Secure 160GB Hard Disk USB 2.0 Portable Secure 320GB Hard Drive | 160GB SATA 3.0Gb/s Disk (7200 rpm) | 09N4254 | ann 05/19/03 |
|--|---|--|--|
| | 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 | ann 01/24/06 |
| | 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 | ann 11/06/07 |
| | 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 | ann 08/19/08 |
| USB 2.0 Super Multi-Burner Drive 41N5565 ann 01/23/07 USB 2.0 Portable DVD Burner 43N3264 ann 01/05/10 | USB 2.0 Essential Memory Key 8GB USB 2.0 Essential Memory Key 32GB USB 2.0 Ultra Secure Memory Key 1GB USB 2.0 Ultra Secure Memory Key 2GB USB 2.0 Ultra Secure Memory Key 4GB USB 2.0 Ultra Secure Memory Key 8GB USB 2.0 Portable 320GB Hard Disk USB 2.0 Portable 500GB Hard Disk USB 2.0 Portable Secure 160GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk USB 2.0 Portable Secure 500GB Hard Disk USB 2.0 Secure 500GB Hard Drive USB 2.0 Super Multi-Burner Drive | 45J7905 45K1258 45J5915 45J5916 45J5917 45J5918 45K1689 45K1690 43R2018 43R2019 57Y4400 41N5565 | ann 07/15/08 ann 10/28/08 ann 08/26/08 ann 08/26/08 ann 08/26/08 ann 03/17/09 ann 05/26/09 ann 11/18/08 ann 01/07/10 ann 01/23/07 |

Graphics

Small 7269/7279/7303/7506/7408/7514/7259 support Low Profile 35 watts max:

 Walts Hax.

 DisplayPort™ to Single-link DVI-D Cable⁵⁵
 45J7915
 ann 08/05/08

 ADD2 DVI-D Monitor Connection (HDCP)
 43R1985
 ann 11/06/07

 ATI™ Radeon™ HD 3470 256MB (DP, VGA)
 45K1636
 ann 11/18/08

 NVIDIA® Quadro® 256MB NVS 290
 43R1765
 ann 12/18/07

 NVIDIA Quadro 256MB FX 370 Low-Profile
 55Y9275
 ann 07/28/09

 NVIDIA GEForce® 310 DMS59(2-DVI, 2-VGA) 57Y4167
 ann 03/02/10

Tower 7268/7270/7298/7491/7307/7508/7847/7843/7258 support 75 watts max:

DisplayPort to Single-link DVI-D Cable⁵⁰ 45J7915 ann 08/05/08 ADD2 DVI-D Monitor Connection (HDCP) 43R1985 ann 11/06/07 ATI Radeon HD 3470 256MB (DP, VGA) 45K1636 ann 11/18/08 NVIDIA Quadro 256MB NVS 290 43R1765 ann 12/18/08 NVIDIA GeForce 9500GT 512MB (DP, DVI) 45K1635 ann 12/18/08 NVIDIA GeForce 310 DMS59 (2-DVI, 2-VGA) 57Y4167 ann 03/02/10 50 Attaches to the ThinkCentre compatible DisplayPort graphics card.

More information at www.lenovo.com/support/graphiccards

Keyboard

Preferred Pro USB Keyboard
Preferred Pro Full Size PS/2 Keyboard
Enhanced Performance USB Keyboard
Ultraslim Wireless Keyboard and Mouse⁵²
Lenovo USB Fingerprint Keyboard
S²Wireless via 2.4GHz technology using a micro-size USB receiver.

More information at www.lenovo.com/support/keyboards

Mouse

| Lenovo Mini Optical Mouse - Black (USB) | 55Y9308 | ann 05/19/09 |
|---|---------|--------------|
| Lenovo Mini Optical Mouse - White (USB) | 55Y9309 | ann 05/19/09 |
| Lenovo Optical Mouse (USB) | 06P4069 | ann 05/21/03 |
| Lenovo ScrollPoint® Mouse (USB, Opitical) | 31P7405 | ann 08/27/02 |
| Lenovo Laser Mouse (USB) | 41U3074 | ann 01/23/07 |
| Lenovo Wireless Laser Mouse - Black ⁵² | 45K1696 | ann 11/25/08 |
| Lenovo Wireless Laser Mouse - Red/Black ⁵² | 51J0198 | ann 11/25/08 |
| | | |

More information at www.lenovo.com/support/mice

Multimedia

ThinkPad® In-Ear Headphones 57Y4488 ann 01/07/10

Security

Kensington® MicroSaver® Cable Lock® 73P2582 ann 12/29/03 Kensington Twin Head Cable Lock® 45K1620 ann 09/30/08 USB Gemplus GemPC Smart Card Reader 41N3040 ann 02/21/06 ® Attaching to any form factor not only secures the ThinkCentre to the work area, but it also prevents users from opening the chassis itself.

Monitors

| | ann 10/20/09 |
|---------|---|
| 4431HE1 | ann 11/11/08 |
| 2448HB6 | ann 10/20/09 |
| 2572HB6 | ann 10/20/09 |
| 2572HD6 | ann 10/20/09 |
| 2578HB6 | ann 10/20/09 |
| 4420HB2 | ann 09/17/08 |
| | 4431HE1 2448HB6 2572HB6 2572HD6 2578HB6 |

More information at www.lenovo.com/thinkvision

Monitor Accessories⁴⁶

| mornio Addessories | | |
|------------------------------------|---------|--------------|
| Lenovo USB-to-DVI Monitor Adapter | 45K5296 | ann 05/12/09 |
| ThinkVision USB Soundbar | 40Y7616 | ann 08/23/05 |
| ThinkVision Soundbar | 45K1263 | ann 09/16/08 |
| Kensington MicroSaver Cable Lock56 | 73P2582 | ann 12/29/03 |
| Kensington Twin Head Cable Lock56 | 45K1620 | ann 09/30/08 |
| Radial Arm | 19K4464 | ann 05/05/00 |
| 46 Carran at laboration and The | | |

46 Compatible on selected Lenovo and ThinkVision monitors.

More information at www.lenovo.com/support/monitoraccessories

Medialess License Key (MLK)

Microsoft® Office 2007 Basic, English
Microsoft Office 2007 Small Business, Engl
Microsoft Office 2007 Professional, English
Microsoft® Office 2007 Professional, English
Microsoft® Office 2007 Professional, English
Microsoft® Office 2007 Basic, English
Microsoft® Office 200

For more information on desktop accessories, please visit: www.lenovo.com/support/accessories www.lenovo.com/support/desktopaccessories www.lenovo.com/support/security

Other accessories at www.lenovo.com/accessories

Accessories Guide pdf at www.lenovo.com/accessoriesguide







Lenovo ThinkCentre M58 Eco Ultra Small

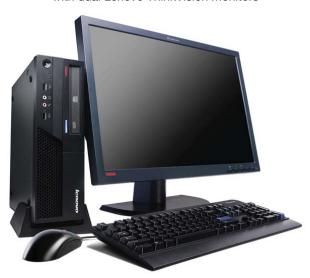


Lenovo ThinkCentre M58 Eco Ultra Small with dual Lenovo ThinkVision monitors





Lenovo ThinkCentre M58 Small



Lenovo ThinkCentre M58 Small with Lenovo ThinkVision monitor





Lenovo ThinkCentre M58 Tower



Lenovo ThinkCentre M58 Tower with dual Lenovo ThinkVision monitors

ThinkCentre® M58 Eco Ultra Small (8820) - TopS (XP with Win 7 License)

Personal Systems Reference (PSREF)

| Slot x Name Type-model bay | | GHz | Cores N | /lemory | SATA disk | SATA optical | Graphics | | DisplayPort dongle | | | Glo Preload Ed | |
|-------------------------------|------------------|------|---------|---------|--------------|--------------|----------|-------|-----------------------|--------|------|-------------------|-----------|
| MEG 9990 ANII 1v2 | Coro 2 Duo E7500 | 2 03 | 2 | 2CB | 250CB | DVD+DW | / GNA | VGA D | D None | ESEO N | Jone | VD Dro N | no Nov 00 |

- This small and medium business (SMB) model is part of the US TopSeller™ Program
- This model has a 3-year limited warranty

| Positioning Processor Implementation | | | Eco Ultra Sn | optical disk | | | |
|--|---|--|--|---|--|--|--|
| Memory | dual-channel capable, two 2 | 500 1066MHz DDR3, non-parity, 204-pin SODIMM sockets (notebook); bry in one socket; one socket available | • 9.2 lb (4.2 kg) in maximum configuration | | | | |
| Graphics | one analog VGA DB-15 con | uses main memory (up to 16B), nector, one DisplayPort™ connector via cable 45J7915), HDCP, DirectX® 10, | | | | | |
| SATA disk SATA controller SATA DVD±RW SATA cables | Serial ATA, SATA 3.0Gb/s, in Super Multi-Burner DL DVD Two SATA cables (each 1-d | rop to device), two SATA connectors | Toolless disToolless sys | less cover for easy serviceability sk and optical drive removal stemboard retention or stand for vertical orientation | | | |
| eSATA port Diskette drive Media reader | and one eSATA connector of None None None | n pianar | | Security Security chip (see information on left) Security slot (in rear for attachment of | | | |
| Chipset | Intel Q45 Express Chipsel Digital Office [ICH10DO] (S ethernet MAC, PCI 2.3, USI | Express x1, | optional Kensington® MicroSaver® cable security slot and cover release button are combined into one latch for improved chassis security | | | | |
| Front ports Rear ports Internal connector Rear audio ports Audio Speaker Ethernet Intel AMT Modem Security chip | Six USB 2.0, ethernet (RJ-2 Two USB 2.0 planar conn (Line-in (stereo, 3.5mm), line High Definition (HD) Audio, One internal speaker for bu- Gigabit ethernet on planar, None None | stereo, 3.5mm), headphone (stereo, 3.5m 15), monitor (VGA DB-15, DisplayPort) I used; one open for media reader or 2 re ∋-out (stereo, 3.5mm), microphone (stereo Analog Devices AD1882 codec siness audio Intel 82567LM, Wake on LAN®, ASF2.0, I seeper™ Trusted Platform Module, TCG 1. | ear USB ports) o, 3.5mm) DASH 1.0 | Power-on password Administrator password Hard disk password (user and master) Boot sequence control Boot without diskette, keyboard Individual USB port disablement | | | |
| Keyboard Mouse Power supply | Preferred Pro USB Keyboar Optical Wheel Mouse (USB External AC/DC adapter, 13 | vo® logo | Supports ThinkVantage® technologies EPEAT™ Gold rating | | | | |
| | Professional preinstalled | Accessories 1GB PC3-8500 DDR3 SODIMM (notebook 2GB PC3-8500 DDR3 SODIMM (notebook | | ENERGY STAR® 5.0-compliant GREENGUARD® certified RoHS-compliant | | | |
| through downgrade rights in Genuine Windows 7 Professional Preloaded applications ⁵ (only some listed) through downgrade rights in Genuine 2GB PC3-8500 DDR3 SODIMM (note 500GB SATA 3.0Gb/s Disk (7200 rpm) 1TB SATA 3.0Gb/s Disk (7200 rpm) Super Multi-Burner DL DVD±RW SATA Super Multi-Burner DL DVD±RW SATA | | | 43R1990 45J7918 | Limited Warranty¹ | | | |

- Rescue and Recovery™
- Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update McAfee® VirusScan® Plus
- (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD±RW)

Super Multi-Burner DL DVD±RW SATA Drive 41N5620 DisplayPort to Single-link DVI-D Cable DisplayPort to VGA Monitor Cable Lenovo Vertical PC and Monitor Stand II 45J7915 57Y4393 41R4474 ThinkCentre Ultra Small Under Desk Mount 40Y8625 More accessories on O-M58 sheet

Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories

- International Warranty Service⁹
- Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) Onsite service upgrade options
- - (in eligible locations):

 3-year LOR 9x5, 4 hour response
 (ThinkPlus™ part number 41C9192)
 - 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193)
 - 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194)
 - 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195)
 - 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196)
- ThinkPlus services at lenovo.com/thinkplus/warranty
- Post warranty maintenance services available
- 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378

| Slot x Name Type-model bay | _ | GHz | Cores | Memory | SATA 8 disk | SATA optical | Graphics | | DisplayPort dongle | ENERGY STAR 5. | | | Global Educ | Avail date |
|-------------------------------|------------------|------|-------|--------|----------------|--------------|----------|-------|-----------------------|-------------------|------|--------|----------------|---------------|
| MEG 9990 AOLL 1v9 | Coro 2 Duo E7500 | 2 02 | 2 | 2CB | 250CB | | / GMA | VGA D | D Mono | E950 | None | Dro 22 | Mono | lan 10 |

- This small and medium business (SMB) model is part of the US TopSeller™ Program
- This model has a 3-year limited warranty¹

| Positioning Processor Implementation | | | Eco Ultra Sr | optical disk |
|---|--|---|--|--|
| Memory | dual-channel capable, two | 8500 1066MHz DDR3, non-parity, 204-pin SODIMM sockets (notebook); ory in one socket; one socket available | | , 1.6" high, access, std optical 1" high, no access, std disk |
| Graphics | integrated graphics in Q45 one analog VGA DB-15 co | elerator 4500 (GMA 4500), , uses main memory (up to 765MB), nnector, one DisplayPort™ connector via cable 45J7915), HDCP, DirectX® 10, display | Business bi 10.8" W X Si 275mm W Xi 9.2 lb (4.2 kg) | Profile, 32-bit PCI 2.3 lack color; metal case 9.4" D X 3.1" H X 238mm D X 80mm H kg) in maximum configuration |
| SATA disk SATA controller SATA DVD±RW SATA cables eSATA port Diskette drive | Serial ATA, SATA 3.0Gb/s, Super Multi-Burner DL DVI | drop to device), two SATA connectors | Toolless dis Toolless sys | lless cover for easy serviceability sk and optical drive removal stemboard retention or stand for vertical orientation Security Security chip (see information on left) |
| Media reader Chipset | Digital Office [ICH10DO] (S | et (PCI Express® 2.0 x16), I/O Controller F SATA 3.0Gb/s with RAID 0/1 support, PCI SB, LPC bus), SMSC® SCH5617 Super I/O | Express x1, | Security slot (in rear for attachment of optional Kensington® MicroSaver® cable - security slot and cover release button are combined into one latch for improved chassis security |
| Front ports Rear ports Internal connecto Rear audio ports Audio Speaker Ethernet Intel AMT Modem Security chip | Six USB 2.0, ethernet (RJ- pr Two USB 2.0 planar conn (Line-in (stereo, 3.5mm), lin High Definition (HD) Audio. One internal speaker for but Gigabit ethernet on planar, None | (stereo, 3.5mm), headphone (stereo, 3.5m 45), monitor (VGA DB-15, DisplayPort) 1 used; one open for media reader or 2 re e-out (stereo, 3.5mm), microphone (stereo, Analog Devices AD1882 codec usiness audio Intel 82567LM, Wake on LAN®, ASF2.0, Intel 82567LM, Wake on LAN | ear USB ports) o, 3.5mm) DASH 1.0 | Power-on password Administrator password |
| Keyboard Mouse Power supply | Optical Wheel Mouse (USE | urd (USB connector), 104-key, black, Leno B connector), 400 dpi, black, Lenovo logo B watts, autosensing, 87% PSII | vo® logo | Supports ThinkVantage® technologies |
| - Genuine Win | rating system ²⁰ dows® 7 Professional 32 lications ⁵ (only some listed) | Accessories 1GB PC3-8500 DDR3 SODIMM (notebook 2GB | ok) 43R1988 | EPEAT™ Gold rating ENERGY STAR® 5.0-compliant GREENGUARD® certified RoHS-compliant |
| Rescue and I Password Ma ThinkVantage ThinkVantage ThinkVantage Lenovo Onlin Norton™ Inte (30 days of vi Adobe® Reace Adobe Flash Microsoft® Of | Recovery™ Inager e System Update e Power Manager e Toolbox e Data Backup rnet Security 2009 Irus definitions) ler® Player fice 2007 Trial (60-day) or® Business Edition | 500GB SATA 3.0Gb/s Disk (7200 rpm) 1TB SATA 3.0Gb/s Disk (7200 rpm) Super Multi-Burner DL DVD±RW SATA D DisplayPort to Single-link DVI-D Cable DisplayPort to VGA Monitor Cable Lenovo Vertical PC and Monitor Stand II ThinkCentre Ultra Small Under Desk Mou More accessories on O-M58 sheet Acc Guide in pdf lenovo.com/accessories Other accessories at lenovo.com/accessories | 45J7915 57Y4393 41R4474 unt 40Y8625 esguide | Limited Warranty¹ 3-year parts and labor International Warranty Service³ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays next business day response time) Onsite service upgrade options (in eligible locations):² 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9194) 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) |

(ThinkPlus part number 41C9196)

24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378

ThinkPlus services at lenovo.com/thinkplus/warranty
 Post warranty maintenance services available

| | | Slot x | | | | SATA | SATA | | | | t Chassis | | | Global | |
|---|--------|---|---|---|--|---|---|---|---|---|---|---|---|--------------------------|-------------------------------|
| |)-APU | 2x3 | Pentium E5400 Pentium E6300 | 2.70 2 2.80 2 | 2GB | 250GB | optical 2 DVD±RW DVD±RW | | VGA, DP | None None | Switch | No No | XP Pro | No | Jan 10 Nov 09 |
| M58 8910 | D-AMU | 2x3 | Core 2 Duo E7500 Core 2 Quad Q9500 | 2.93 2 | 2GB | 250GB | DVD±RW DVD±RW | GMA | VGA, DP | None None | CWIII. | No No | XP Pro | No | Nov 09 Mar 10 |
| | | | These small and me These models have a | | | | lels are par | t of the l | US TopSell | er™ Prog | ram | | | | |
| Positioning Processor | | Inte 800 Inte 106 Inte 106 Inte | imate security, stabil el® Pentium® Proces MHz system bus, a el Pentium Process 66MHz system bus, el Core™ 2 Duo Pro 66MHz system bus, el Core 2 Quad Pro 33MHz system bus, | ssor E540 nd 2MB L2 or E6300 and 2MB L cessor E7 and 3MB L cessor Q9 and 6MB L | 0 with cache with dual 2 cache 7500 with 2 cache 2500 with 2 cache | luál-cor or al-core, e or h dual-c e or h quad- | e, ' | ise | Bay ② 3.5 Bay ③ 3.5 Slot 1: Lov | 5", 1" hig 5", .5" hi w Profile, | - | cess, ss, ess 2.0 | std optic std disk open (re | ar) | |
| Implement Memory | allon | 2G nor | ocessor in LGA775 s B or 4GB std, 8GB n-parity, dual-channelics: standard m n-italics: standard m | max ⁸ , PC3 I capable, emory in t | four 240 wo sock | O-pin DIN cets; two | MM sockets av | ailable; | Busines12.5" W317mm16.5 lb (| s black co X 14.0" [W X 355r 7.5 kg) in | olor; metal | case 9mm H n confi | guration | n rear | hinges |
| Graphics | | inte one (su | el Graphics Media A egrated graphics in C e analog VGA DB-15 pports single-link D\ pports dual independ | 045, uses i connector 'I-D via ca | main me r, one D ble 45J7 | mory (u isplayPo | p to 1GB), rt™ conne | ctor | ToollessToolless | disk, opt adapter systemb | ical drive r | emovation | al | | |
| SATA disk SATA controller SATA DVD±RW SATA Cables eSATA port Diskette drive Media reader Chipset 250GB or 320GB, SATA 3.0Gb/s 7200 rpm, vibration dampening mounts Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 support Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Two SATA cables (each 1-drop to device), two SATA connectors on planar One external SATA (eSATA) port None None Intel Q45 Express Chipset (PCI Express® 2.0 x16), I/O Controller Hub 10 Digital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI Express | | | | | | | | | | • Se or | ecurity chi ecurity slo otional Ker optional c deactivatir ower-on pa | p (see t (in re singto able a ng the asswo | ear for atta on® Micro Iso locks cover rel rd | achme Saver the co | ent of ® cable) over by |
| Chipset | | Dig | | j] (SATA 3. | 0Gb/s v | vith RAII | D 0/1 supp | ort, PCI | rt, PCI Express x1, Post seguence control | | | | | | aster) |
| Front ports Rear ports Internal co Rear audio Audio Speaker | nnecto | Six eS or Two Lin Hig | o USB 2.0, micropho USB 2.0, serial (9-p ATA o USB 2.0 planar co e-in (stereo, 3.5mm) h Definition (HD) Au | in), ethern nn (1 used , line-out (dio, Analo | et (RJ-4; ; one opstereo, ; g Device | 15), mon en for m 3.5mm), | itor (VĠA I nedia reade microphor | OB-15, Der or 2 re |)isṗlayPort) ear USB po |), erts) • Se | erial port I dividual U ome: Chas | /O cor SB po | itrol rt disable | ement | |
| Ethernet Intel AMT Modem | | | | | | I, Wake | on LAN®, A | SF2.0, I | DASH 1.0 | Sup | ports Thin | ıkVant | age® tech | nnolog | ies |
| Security cl Keyboard | nip | Pre | nbond® WPCT200 S eferred Pro USB Key | board (US | B conne | ector), 10 | 04-key, blad | ck, Leno | | | EENGUAF HS-complia | | ertified | | |
| Mouse Power sup | . , | 280 | tical Wheel Mouse () watts with variable g system ²⁰ | speed fan | | | | | 3 | — | Li 3-year part | | Warrant labor | y 1 | |
| through downgrade rights in Genuine Windows 7 Professional Preloaded applications⁵ (only some listed) • Rescue and Recovery™ • Client Security Solution™ • ThinkVantage Productivity Center • ThinkVantage System Update • McAfag® Virus Scap® Plus 2GB PC3-8500 DDR3 UDIMM 500GB SATA 3.0Gb/s Disk (7200 rpm) 4: TTB SATA 3.0Gb/s Disk (7200 rpm) 4: Super Multi-Burner DL DVD±RW SATA Drive 4 DisplayPort to Single-link DVI-D Cable DisplayPort to VGA Monitor Cable ATI™ Radeon™ HD 3470 256MB (DP, VGA) NVIDIA® Quadro® 256MB NVS 290 | | | | | | 45J79 57Y43 3A) 45K16 43R17 55Y92 esguide | 34 | 3-year LO (ThinkPlu 4-year LO (ThinkPlu 4-year LO (ThinkPlu 4-year LO | Replace (with I diparts overagess das vice upon I location of the | ceable Ur imited or s3, 8 am - ge excluc y respon ognade olons);? 5, 4 hour rut number 4 5, 4 hour number 2 5, 4 hour number 2 4 hour number 2 es at plus/warra intenance e toll-free nty perio | nit (CR nsite s 5 pm, ling ho se time ptions respo 11C919 usines 11C919 respo 11C919 respo 11C919 respo 11C919 santy ce suppo | ervice blidays, ie) nse 1192) onse 93) ss Day 94) nse 95) onse | | | |

| Name Type-model | Slot x | Processor | GH2 C | ores | Memory ⁸ | SATA disk | SATA optical | Granhice | | r DisplayP dongle | | Win7 preload | | Avail date |
|--|--|--|---|--|--|--|--|--|---|---|--|--|--|---|
| M58 8910-AQU M58 8910-ARU M58 8910-AUU | 2x3 F 2x3 C 2x3 C | | 2.70 2.93 | 2 2 4 2 | 2GB 2GB 4GB 4GB | 250GB ² 250GB 320GB 320GB | DVD±RW DVD±RW DVD±RW DVD±RW | | VGA, E VGA, E VGA, E VGA, E | P None P None P None | None None None | Pro 32 Pro 32 Pro 32 Pro 64 | None None None | Jan 10 Jan 10 Mar 10 |
| | | ese small and medi ese models have a | | | | | re part of th | e US Top | Seller™ | Program | | | | |
| Positioning Processor | Intel® 800M Intel 1066 Intel | ate security, stability Pentium® Process IHz system bus, and Core™ 2 Duo Proc MHz system bus, an Core 2 Quad Proc MHz system bus, an | sor E54 d 2MB I essor I nd 3MB essor (| 400 w L2 ca E7500 L2 ca Q9500 | rith dual- che or 0 with duache or 0 with qu | -core, ual-core, | · | Bay @ | 5.25", 3.5", | 1.6" high, 1" high, .5" high, | no acces | std opt | k . | |
| Implementation Memory | 2GB non-p | essor in LGA775 so or 4GB std , 8GB m parity, dual-channel | cket ax ⁸ , PC capable mory in | 3-85 (e, four | 00 1066 r 240-pir sockets; | n DIMM so two sock | ockets; ets available | Slot 1 Slot 2 • Bus • 12.5 | : Low P :: Low P iness bl 5" W X 1 | rofile, PCI rofile, 32-b rofile, 32-b ack color; 1 4.0" D X 3 | Express 2 t PCI 2.3 netal cas .9" H | 2.0 x16 e | reader) | |
| Graphics | integrated (up to one a (supp | Graphics Media Arrated graphics in Q4 o 765MB [2GB mode analog VGA DB-15 coorts single-link DVI- orts dual independe | l5, uses <i>els]</i> or 1 connect -D via c | s main 1759N tor, or cable | n memoi /IB <i>[4GB</i> ne Displa | ry 8 <i>models]</i>) ayPort™ c | , onnector | • 16.5 • Too • Too • Too), • Too | Ib (7.5 lless co lless dis lless ad lless sys | kg) in max ver flips up k, optical o apter reten stemboard or stand for | imum cor and tilts rive remo tion retention | nfiguration backward oval | on rea | r hinges |
| SATA disk SATA controller SATA DVD±RW SATA cables eSATA port Diskette drive Media reader | Seria Supe Two S | | s, integ VD±RV I-drop t | rated V SAT o dev | in İCH10 A 1.5Gb | DDO, RAI s/s Drive | D 0/1 suppo | ort | | Securify options options dead | ty chip (set by slot (in al Kensing nal cable tivating th | ecurity ee information are for a gron® Microson also lock are cover r | ttachmeroSaver | ent of ® cable over by |
| Chipset | Digita | Q45 Express Chip al Office [ICH10DO] net MAC, PCI 2.3, L | (SATA | 3.0GI | b/s with | RAID 0/1 | support, PO | CI Expres | | Power-on password Administrator password Hard disk password (user and master) Boot sequence control | | | | |
| Front ports Rear ports | | JSB 2.0, microphon ISB 2.0, serial (9-pir A | | | | | | | Port), | Boot wSerial | ithout dis oort I/O c | kette, key | | |
| | Line-i High One i | JSB 2.0 planar conr in (stereo, 3.5mm), Definition (HD) Aud internal speaker for bit ethernet on plana | line-out io, Ana busine: | (ster log Doss au | eo, 3.5m evices A dio | nm), micro .D1882 co | ophone-in (s odec | stereo, 3. | 5mm) ´ | | | | | |
| Modem Security chip | None | | eKeepe | er™ Tı | rusted P | latform M | odule. TCG | 1.2-com | pliant | Supports | ThinkVa | ntage® te | chnolog | jies |
| Keyboard Mouse | Prefe Optic | rred Pro USB Keyboal Wheel Mouse (U | oard (U SB con | SB connecto | onnector | r), 104-ke lpi, black, | y, black, Lei Lenovo log | novo® log o | • | GREENG RoHS-co | GUARD® ompliant | certified | | |
| Power supply Preloaded oper - Some: Genuir Profes - Some: Genuir Profes Preloaded appli Rescue and R Password Mar - ThinkVantage - ThinkVantage - ThinkVantage - ThinkVantage - Norton™ Interi (30 days of vir - Adobe® Reade - Adobe Flash® - Microsoft® Offi - Roxio® Creato (DVD±RW) - Roxio MyDVD® | rating ne Win sional ication lecove nager System Power Data net Serus defers Player ice 200 r* Bus | ndows® 7 32 ndows 7 64 nss (only some lister ry™ m Update r Manager bx Backup curity 2009 initions) r 07 Trial (60-day) siness Edition | Acc 1GE 2GE 5000 1TB Sup Disp Disp ATIT NVIII NVIII More | esso B PC3 B PC3 B SATA er Mu blayPo blayPo M Raco DIA® DIA Co e acc | ries 1-8500 D 1-8500 D ATA 3.00b ATA 3.00b Itili-Burne ort to Sin ort to VG deon™ H Quadro® Quadro 2 essories e in pdf l | DR3 UDII DR3 UDII DR3 UDII Gb/s Disk Is Disk (72 PT DL DVI IIII DVI IIII DVI IIII DVI IIII DVI IIII DVI IIII DVI IIII DVI IIIII DVI IIII DVI IIII DVI IIII DVI IIII DVI IIII DVI IIII DVI IIIII DVI IIII DVI IIII DVI IIII DVI IIII DVI IIII DVI IIII DVI IIIII DVI IIII DVI IIII DVI IIII DVI IIII DVI IIII DVI IIII DVI IIIII DVI IIII DVI IIII DVI IIII DVI IIII DVI IIII DVI IIII DVI IIIII DVI IIII DVI III D | MM MM (7200 rpm) 200 rpm) D±RW SATA WI-D Cable r Cable 56MB (DP, NVS 290 | 4: 4: 4: 4: 4: 5: VGA) 4: 5: vriesguid | 5J7915 7Y4393 5K1636 3R1765 5Y9275 | Custo parts for se Mon- next t Consit (in elii 3-ye (Th 3-ye (Th 4-ye (Th 4-ye (Th Prink Post v Post v | r parts ar ational W mer Rep only (with lected pa Fri cover usiness e service gible loca ear LOR 2 nkPlus pa ear LOR 2 nkPlus pa ear LOR 2 nkPlus pa par LOR 9 nkPlus pa par LOR 2 nkPlus pa | darranty Slaceable I in limited in limited in rts³, 8 am rage excluday responsive part number 24x7, 4 hourt number 24x7, 4 hourt number 24x7, 4 hourt number ices at inkplus/wa maintena | Gervice ⁹ Unit (CFonsite solds of the considered of the constant of the const | ervice polidays ne) inse pase pass Day pass pass pass pass pass pass pass pa |

| Name | Type-model | Slot x bay | Processor | GHz C | ores | Memory ⁸ | SATA disk | SATA optical | Graphics | Monitor connectors | | Preload | Global Educ | Avail date |
|------|------------|---------------|---------------------------------------|-------|------|---------------------|--------------|------------------|----------|--------------------|--|---------|----------------|------------------|
| | | | Core 2 Duo E7500 Core 2 Quad Q9500 | | | | | DVD±RW DVD±RW | | VGA, DP VGA, DP | | | | Nov 09 Mar 10 |

- These small and medium business (SMB) models are part of the US TopSeller™ Program
- These models have a 3-year limited warranty

| Positioning Processor Implementation Memory | Ultimate security, stability, and manageability for the enterprise Intel® Core™ 2 Duo Processor E7500 with dual-core, 1066MHz system bus, and 3MB L2 cache or Intel Core 2 Quad Processor Q9500 with quad-core, 1333MHz system bus, and 6MB L2 cache Processor in LGA775 socket 2GB or 4GB std, 8GB max®, PC3-8500 1066MHz DDR3, | • 6.9" W X 17 • 175mm W X | |
|--|---|--|---|
| Welliol y | non-parity, dual-channel capable, four 240-pin DIMM sockets; ltalics: standard memory in two sockets; two sockets available; Non-italics: standard memory in one socket; 3 sockets available | Toolless dis optical drive | k, diskette drive, |
| Graphics | Intel Graphics Media Accelerator 4500 (GMA 4500), integrated graphics in Q45, uses main memory (up to 1GB), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display | Bay ② 5.25", Bay ③ 3.5", Bay ④ 3.5", | |
| SATA disk SATA controller SATA DVD±RW SATA cables | 250GB or 320GB, SATA 3.0Gb/s 7200 rpm, vibration dampening Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Two SATA cables (each 1-drop to device), three SATA connectors | Slot 2: half-lei Slot 3: half-lei | ngth, full-height, PCIe 2.0 x16 (75w max) ngth, full-height, PCIe x1 ngth, full-height, 32-bit PCI 2.3 ngth, full-height, 32-bit PCI 2.3 |
| eSATA port Diskette drive Media reader | and one eSATA connector on planar None None None | | Security • Security chip (see information on left) • One lock to secure both cover and |
| Chipset | Intel Q45 Express Chipset (PCI Express® 2.0 x16), I/O Controller IDigital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O | Express x1, | entire system to fixed object: - Padlock loop (in rear for opt padlock) - Security slot (in rear for optional Kensington® MicroSaver® cable) |
| Rear audio ports Audio Speaker Ethernet | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5m Six USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), etherne monitor (VGA DB-15, DisplayPort) Two USB 2.0 planar conn (1 used; one open for media reader or 2 rules Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, Definition (HD) Audio, Analog Devices AD1882 codec One internal speaker for business audio Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, | t (ŔJ-45), ear USB ports) ereo, 3.5mm) | Power-on password Administrator password Hard disk password (user and master) Boot sequence control Boot without diskette, keyboard Serial port I/O control Individual USB port disablement |
| Intel AMT Modem | None None | | Supports ThinkVantage® technologies |
| Security chip Keyboard Mouse | Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1 Preferred Pro USB Keyboard (USB connector), 104-key, black, Lence Option I Who of Mayor (USB connector), black, Lence I approximately black, Lence I approxim | | GREENGUARD® certified RoHS-compliant |
| Power supply | Optical Wheel Mouse (USB connector), black, Lenovo logo 280 watts with variable speed fan, manual switch, two diagnostic LE | Ds | Limited Warranty ¹ |

Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional

Preloaded applications⁵ (only some listed)

- Rescue and Recovery™
- Client Security Solution™
 ThinkVantage Productivity Center
 ThinkVantage System Update
- McAfee® VirusScan® Plus (30 days of virus definitions)

- Lenovo System Toolbox Adobe® Reader® Microsoft® Office 2007 Trial (60-day) Roxio® Creator® Business Edition
- (DVD±RW)
- Roxio MyDVD® (DVD±RW)
 Corel® WinDVD® (DVD±RW)

Accessories

1GB PC3-8500 DDR3 UDIMM 45J5434 2GB PC3-8500 DDR3 UDIMM 45J5435 500GB SATA 3.0Gb/s Disk(7200 rpm) 43R1990 1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918 Super Multi-Burner DL DVD±RW SATA Drive 41N5620 Blu-rav™ Burner SATA 1.5Gb/s Drive 45K1675 DisplayPort to Single-link DVI-D Cable
DisplayPort to VGA Monitor Cable 45J7915 57Y4393 ATI™ Radeon™ HD 3470 256MB (DP, VGA) 45K1636 NVIDIA® GeForce® 9500GT 512MB (DP, DVI)45K1635 NVIDIA Quadro® 256MB NVS 290 43R1765 NVIDIA Quadro 256MB NVS 295 45K1669 More accessories on O-M58 sheet

Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories

- 3-year parts and labor
- International Warranty Service⁹
- Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts3, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)
- Onsite service upgrade options (in eligible locations):
 - 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192)
 - 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193)
 - 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) 4-year LOR 9x5, 4 hour response
 - (ThinkPlus part number 41C9195) 4-year LOR 24x7, 4 hour response
 - (ThinkPlus part number 41C9196)
- ThinkPlus services at lenovo.com/thinkplus/warranty Post warranty maintenance
- services available
- 24 hour x 7 day14 toll-free support during the warranty period via 800-426-7378

| | Name | Type-model | Slot x bay | Processor | GHz (| Cores | Memory ⁸ | SATA disk | SATA optical | Graphics | Monitor connectors | DisplayPort dongle | | | Global Educ | Avail date |
|-----|------|------------|---------------|-------------------|-------|-------|---------------------|--------------------|----------------|----------|--------------------|-----------------------|------|--------|----------------|---------------|
| | M58 | 9960-ALU | 4x4 | Core 2 Duo E7500 | 2.93 | 2 | 2GB | 250GB ² | DVD±RW | / GMA | VGA, DP | None | None | Pro 32 | None | Jan 10 |
| 133 | M58 | 9960-APU | 4x4 | Core 2 Quad Q9500 | 2.83 | 4 | 4GB | 320GB | DVD ±RW | / GMA | VGA, DP | None | None | Pro 32 | None | Mar 10 |
| 133 | M58 | 9960-AMU | 4x4 | Core 2 Duo E7500 | 2.93 | 2 | 4GB | 320GB | DVD±RW | / GMA | VGA, DP | None | None | Pro 64 | None | Mar 10 |

- These small and medium business (SMB) models are part of the US TopSeller™ Program
- These models have a 3-year limited warranty

| Positioning Processor Implementation Memory | Ultimate security, stability, and manageability for the enterprise Intel® Core™ 2 Duo Processor E7500 with dual-core, 1066MHz system bus, and 3MB L2 cache or Intel Core 2 Quad Processor Q9500 with quad-core, 1333MHz system bus, and 6MB L2 cache Processor in LGA775 socket 2GB or 4GB std, 8GB max®, PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, four 240-pin DIMM sockets; Italics: standard memory in two sockets; two sockets available; | 6.9" W X 17 175mm W X 24.2 lb (11.0 Handle on to Toolless cov Toolless disloptical drive | ver removal k, diskette drive, removal | optical ② ③ disk |
|--|--|--|---|--------------------|
| Graphics | Non-italics: standard memory in one socket; 3 sockets available Intel Graphics Media Accelerator 4500 (GMA 4500), integrated graphics in Q45, uses main memory (up to 765MB [2GB models] or 1759MB [4GB models]), one analog VGA DB-15 connector, one DisplayPort™ connector (supports single-link DVI-D via cable 45J7915), HDCP, DirectX® 10, supports dual independent display | Bay ① 5.25", Bay ② 5.25", Bay ③ 3.5", Bay ④ 3.5", Slot 1: half-ler | 1" high, no access, std dis ngth,full-height, PCle 2.0 x1 | (reader/disk sk |
| SATA disk SATA controller SATA DVD±RW | 250GB or 320GB , SATA 3.0Gb/s 7200 rpm, vibration dampening Serial ATA, SATA 3.0Gb/s, integrated in ICH10DO, RAID 0/1 Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive | Slot 3: half-ler | ngth,full-height, PCle x1 ngth,full-height, 32-bit PCl 2 ngth,full-height, 32-bit PCl 2 | 2.3 2.3 |
| SATA cables eSATA port Diskette drive Media reader | Two SATA cables (each 1-drop to device), three SATA connectors and one eSATA connector on planar None None None | | Security Security chip (see inform One lock to secure both entire system to fixed ob | cover and ject: |
| Chipset | Intel Q45 Express Chipset (PCI Express® 2.0 x16), I/O Controller FDigital Office [ICH10DO] (SATA 3.0Gb/s with RAID 0/1 support, PCI ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O | Express x1, | Padlock loop (in rear for security slot (in rear for Kensington® MicroSav Power-on password | r optional |
| Front ports Rear ports Internal connector Rear audio ports Audio Speaker | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5r Six USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), etherner monitor (VGA DB-15, DisplayPort) Two USB 2.0 planar conn (1 used; one open for media reader or 2 re Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, Definition (HD) Audio, Analog Devices AD1882 codec One internal speaker for business audio | t (RJ-45), ear USB ports) | Administrator password Hard disk password (use Boot sequence control Boot without diskette, ke Serial port I/O control Individual USB port disa | yboard |
| Ethernet Intel AMT | Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, None | DASH 1.0 | Supports ThinkVantage® to | echnologies |
| Modem Security chip | None Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1 | .2-compliant | GREENGUARD® certified RoHS-compliant | |
| Keyboard Mouse Power supply | Preferred Pro USB Keyboard (USB connector), 104-key, black, Leno Optical Wheel Mouse (USB connector), black, Lenovo logo 280 watts with variable speed fan, manual switch, two diagnostic LE | Ü | Limited Warra | anty¹ |
| | · · · · · · · · · · · · · · · · · · · | | , | |

| Preload | led op | era | ting | sys | tem ²⁰ |
|---------|--------|-----|------|-----|-------------------|
| _ | _ | | | | |

- Some: Genuine Windows® 7 Professional 32
- Some: Genuine Windows 7 Professional 64

Preloaded applications⁵ (only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update ThinkVantage Power Manager

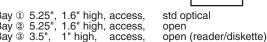
- ThinkVantage Toolbox Lenovo Online Data Backup
- Norton™ Internet Security 2009 (30 days of virus definitions) Adobe® Reader® Adobe Flash® Player

- Microsoft® Office 2007 Trial (60-day)
 Roxio® Creator® Business Edition
- (DVD±RW)
- Roxio MyDVD® (DVD±RW)

Accessories

| | 1GB PC3-8500 DDR3 UDIMM | 45J5434 |
|---|---|----------|
| | 2GB PC3-8500 DDR3 UDIMM | 45J5435 |
| | 500GB SATA 3.0Gb/s Disk(7200 rpm) | 43R1990 |
| | 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 |
| ١ | Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 |
| , | Blu-ray™ Burner SATA 1.5Gb/s Drive | 45K1675 |
| | DisplayPort to Single-link DVI-D Cable | 45J7915 |
| | DisplayPort to VGA Monitor Cable | 57Y4393 |
| | ATI ^{†M} Řadeon™ HD 3470 256MB (DP, VGA) | 45K1636 |
| | NVIDIA® GeForce® 9500GT 512MB (DP, DVI |)45K1635 |
| | NVIDIA Quadro® 256MB NVS 290 | 43R1765 |
| | NVIDIA Quadro 256MB NVS 295 | 45K1669 |
| | More accessories on O-M58 sheet | |
| | | |

Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories



- tion on left)
- over and
 - opt padlock)
- optional ® cable)
- and master)
- ooard
- ement

ty1

- ✓ International Warranty Service⁹
 ✓ Customer Replaceable Unit (CRU)
- parts only (with limited onsite service for selected parts3, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)
- Onsite service upgrade options (in eligible locations):7
 - 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192)
 - 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193)
 - 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194)
 - 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195)
 - 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196)
- ThinkPlus services at lenovo.com/thinkplus/warranty
- Post warranty maintenance services available
 - 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378

ThinkCentre® M58p Eco Ultra Small (9961) - TopS (XP with Win 7 License) Personal Systems Reference (PSREF)

| Slot Name Type-model bay | | GHz (| Cores | Memory | SATA /8 disk | SATA optical | Graphics | | DisplayPort dongle | ENERGY STAR 5.0 | | Preload | Globa Educ | l Avail date |
|-----------------------------|------------------|-------|-------|--------|--------------------|--------------|----------|---------|-----------------------|--------------------|------|---------|---------------|-----------------|
| M58p 9961-AKU 1x2 | Core 2 Duo E8400 | 3.00 | 2 | 2GB | 250GB ² | DVD+RW | / GMA | VGA. DF | None | ES50 | vPro | XP Pro | No | Nov 09 |

- Intel Core 2 Processor with vPro™ Technology (includes Intel Active Management Technology)
 This small and medium business (SMB) model is part of the US TopSeller™ Program
- This model has a 3-year limited warranty

| Positioning Processor | Intel® Core™ 2 Duo Proce Virtualization Technology, T and 6MB L2 cache | | Eco Ultra Sn | optical disk |
|---|--|--|--|--|
| Implementation | Processor in LGA775 sock | ** | D @ 5.05# | |
| Memory | dual-channel capable, two | 3500 1066MHz DDR3, non-parity, 204-pin SODIMM sockets (notebook); ory in one socket; one socket available | Bay ② 3.5", | 1.6" high, access, std optical 1" high, no access, std disk rofile, 32-bit PCI 2.3 |
| Graphics | integrated graphics in Q45, one analog VGA DB-15 col | elerator 4500 (GMA 4500), uses main memory (up to 1GB), nnector, one DisplayPort™ connector via cable 45J7915), HDCP, DirectX® 10, display | • 10.8" W X 9 • 275mm W 2 • 9.2 lb (4.2 k • Hinged tool | lack color; metal case 9.4" D X 3.1" H X 238mm D X 80mm H kg) in maximum configuration less cover for easy serviceability |
| SATA disk SATA controller SATA DVD±RW | Serial ATA, SATA 3.0Gb/s, Super Multi-Burner DL DVI | | Toolless sys | sk and optical drive removal stemboard retention or stand for vertical orientation |
| SATA cables | and one eSATA connector | lrop to device), two SATA connectors | | Security |
| eSATA port Diskette drive Media reader | None None None | on plana. | | Security chip (see information on left) Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) |
| Chipset | Digital Office [ICH10DO] (S | et (PCI Express® 2.0 x16), I/O Controller H SATA 3.0Gb/s with RAID 0/1 support, PCI B, LPC bus), SMSC® SCH5617 Super I/O | Express x1, | security slot and cover release button are combined into one latch for improved chassis security Power-on password |
| Rear audio ports Audio Speaker Ethernet | Six USB 2.0, ethernet (RJ- r Two USB 2.0 planar conn (Line-in (stereo, 3.5mm), lin High Definition (HD) Audio, One internal speaker for bu Gigabit ethernet on planar, | Intel 82567LM, Wake on LAN®, ASF2.0, | ear USB ports) o, 3.5mm) | Administrator password Hard disk password (user and master) Boot sequence control Boot without diskette, keyboard Individual USB port disablement |
| Intel AMT Modem | Intel Active Management To None | echnology (iAMT) | | Supports ThinkVantage® technologies |
| Security chip | | Keeper™ Trusted Platform Module, TCG 1 | .2-compliant | EDEATM October 15 or 1 |
| Keyboard Mouse Power supply | Optical Wheel Mouse (USE | rd (USB connector), 104-key, black, Leno 3 connector), 400 dpi, black, Lenovo logo 30 watts, autosensing, 87% PSU | vo® logo | EPEAT™ Gold rating ENERGY STAR® 5.0-compliant GREENGUARD® certified RoHS-compliant |
| Preloaded oper | ating system ²⁰ | Accessories | | Limited Warranty ¹ |
| | Professional preinstalled grade rights in Genuine ofessional | 1GB PC3-8500 DDR3 SODIMM (notebo 2GB PC3-8500 DDR3 SODIMM (notebo 500GB SATA 3.0Gb/s Disk (7200 rpm) | ok) 43R1988 43R1990 | ⇒ 3-year parts and labor ⇒ International Warranty Service⁹ |
| Rescue and R Client Security ThinkVantage ThinkVantage McAfee® Virus (30 days of vir Lenovo Syster Adobe® Reade Microsoft® Offi | Polutión™ Productivity Center System Update Scan® Plus us definitions) n Toolbox er® ce 2007 Trial (60-day) r® Business Edition | 1TB SATA 3.0Gb/s Disk (7200 rpm) Super Multi-Burner DL DVD±RW SATA DisplayPort to Single-link DVI-D Cable DisplayPort to VGA Monitor Cable Lenovo Vertical PC and Monitor Stand II ThinkCentre Ultra Small Under Desk Mot More accessories on O-M58 sheet Acc Guide in pdf lenovo.com/accessorie Other accessories at lenovo.com/acces | 45J7915 57Y4393 41R4474 unt 40Y8625 esguide | Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) Onsite service upgrade options (in eligible locations):⁷ 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9196) ThinkPlus services at lenovo.com/thinkplus/warranty Post warranty maintenance services available |

services available

24 hour x 7 day¹⁴ toll-free support during the warranty period¹
via 800-426-7378

Slot x Name Type-model bay GHz Cores Memory⁸ disk Monitor DisplayPort ENERGY Intel Win7 Global conn dongle STAR 5.0 vPro preload Educ SATA Processor optical Graphics date **M58p** 9961-ALU 1x2 Core 2 Duo E8400 3.00 2 2GB 250GB2 DVD±RW GMA VGA, DP ES50 vPro Pro 32 No Jan 10 None

- Intel Core 2 Processor with vPro[™] Technology (includes Intel Active Management Technology)
 This small and medium business (SMB) model is part of the US TopSeller[™] Program
- This model has a 3-year limited warranty

| Positioning Processor | Intel® Core™ 2 Duo Proce | and manageability for the enterprise essor E8400 with dual-core, "XT, 1333MHz system bus, et | Eco Ultra Small optical disk | | | | |
|---|---|---|---|---|--|--|--|
| Memory | 2GB std, 4GB max ⁸ , PC3-dual-channel capable, two | 8500 1066MHz DDR3, non-parity, 204-pin SODIMM sockets (notebook); ory in one socket; one socket available | Bay ② 3.5", | ", 1.6" high, access, std optical , 1" high, no access, std disk Profile, 32-bit PCI 2.3 | | | |
| Graphics | integrated graphics in Q45 one analog VGA DB-15 co | elerator 4500 (GMA 4500), , uses main memory (up to 765MB), nnector, one DisplayPort™ connector via cable 45J7915), HDCP, DirectX® 10, display | • 10.8" W X 9 • 275mm W 2 • 9.2 lb (4.2 k • Hinged tool | lack color; metal case 9.4" D X 3.1" H X 238mm D X 80mm H kg) in maximum configuration lless cover for easy serviceability | | | |
| SATA disk SATA controller SATA DVD±RW SATA cables | Serial ATA, SATA 3.0Gb/s, Super Multi-Burner DL DVI | 0 rpm, vibration dampening mounts integrated in ICH10DO, RAID 0/1 D±RW SATA 1.5Gb/s Drive drop to device), two SATA connectors | Toolless sys | sk and optical drive removal stemboard retention or stand for vertical orientation | | | |
| eSATA port Diskette drive Media reader | and one eSATA connector None None None | | | Security Security chip (see information on left) Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) | | | |
| Chipset | Digital Office [ICH10DO] (S | et (PCI Express® 2.0 x16), I/O Controller H BATA 3.0Gb/s with RAID 0/1 support, PCI BB, LPC bus), SMSC® SCH5617 Super I/C | Express x1, | security slot and cover release button are combined into one latch for improved chassis security Power-on password | | | |
| Front ports Rear ports Internal connecto Rear audio ports Audio Speaker Ethernet | Six USB 2.0, ethernet (RJ- r Two USB 2.0 planar conn (Line-in (stereo, 3.5mm), lin High Definition (HD) Audio One internal speaker for bu Gigabit ethernet on planar, | Intel 82567LM, Wake on LAN®, ASF2.0, | ear USB ports) o, 3.5mm) | Administrator password Hard disk password (user and master) Boot sequence control Boot without diskette, keyboard Individual USB port disablement | | | |
| Intel AMT Modem Security chip | Intel Active Management T None Winbond® WPCT200 Safel | echnology (iAMT) Keeper™ Trusted Platform Module, TCG 1 | .2-compliant | Supports ThinkVantage® technologies | | | |
| Keyboard Mouse Power supply | Optical Wheel Mouse (USE | rd (USB connector), 104-key, black, Leno 3 connector), 400 dpi, black, Lenovo logo 30 watts, autosensing, 87% PSU | vo® logo | ■ EPEAT™ Gold rating ENERGY STAR® 5.0-compliant GREENGUARD® certified RoHS-compliant | | | |
| Preloaded operating system ²⁰ - Genuine Windows® 7 Professional 32 Preloaded applications⁵ (only some listed) • Rescue and Recovery™ • Password Manager • ThinkVantage System Update • ThinkVantage Power Manager • ThinkVantage Toolbox • Lenovo Online Data Backup • Norton™ Internet Security 2009 (30 days of virus definitions) • Adobe® Reader® • Adobe Flash® Player • Microsoft® Office 2007 Trial (60-day) • Roxio® Creator® Business Edition (DVD±RW) • Roxio MyDVD® (DVD±RW) | | Accessories 1GB PC3-8500 DDR3 SODIMM (notebo 2GB PC3-8500 DDR3 SODIMM (notebo 500GB SATA 3.0Gb/s Disk (7200 rpm) 1TB SATA 3.0Gb/s Disk (7200 rpm) Super Multi-Burner DL DVD±RW SATA DisplayPort to Single-link DVI-D Cable DisplayPort to VGA Monitor Cable Lenovo Vertical PC and Monitor Stand II ThinkCentre Ultra Small Under Desk Mon More accessories on O-M58 sheet Acc Guide in pdf lenovo.com/accessorie Other accessories at lenovo.com/accessories | ok) 43R1988 43R1990 45J7918 Prive 41N5620 45J7915 5774393 41R4474 40Y8625 esguide | Limited Warranty¹ 3-year parts and labor International Warranty Service³ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) Onsite service upgrade options (in eligible locations):² 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) 3-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ThinkPlus services at lenovo.com/thinkplus/warranty Post warranty maintenance services available | | | |

services available 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378

| | Name Type-model | Slot x | Proces | sor | GHz | Cores | Memory | SATA 8 disk | SATA | Granhi | Moni cs connec | | isplayPor | | Preload | Global | Avail date |
|---|--|--|---|---|--|---|--|---|---|------------------------------|--|--|--|--|--|--|---|
| | M58p 9964-A7U | 2x3 | Core 2 Duo | E8400 | 3.00 | 2 | 2GB | 250GB ² | DVD±RW | GMA | VGA, | DP | None | vPro | XP Pro | None | Nov 09 |
| ~ | M58p 9964-A8U | • Int | tel Core 2 Propess small ar dese small ar | ocessor w | vith v n bus | iness (| echnolo (SMB) m | gy (inclu nodels ar | | ctive M | lanageme | ent Tec | | | XP Pro | None | NOV 09 |
| | Positioning Processor | Intel® Virtua and 6 Intel Virtua | ate security, Core™ 2 D alization Tecl BMB L2 cach Core 2 Qua | Duo Proce hnology, T ne or nd Proces hnology, T | ssor TXT, 1 sor C | E8400 333MH 29400 | with du Iz syste with qua | ial-core, m bus, ad-core, | terprise | | all ① 5.25", | | | | std opt | | |
| | mplementation | | SMB L2 cach essor in LGA | | et | | | | | 1 1 | ③ 3.5", | | • | | | reader) | |
| | Memory | non-p | or 4GB std , parity, dual-c s: stand italics: stand | hannel ca dard mem | pable ory in | e, four 2 two so | 240-pin lockets; t | DIMM so wo socke | ckets; ets available | Slot • Bu • 12 | : 1: Low P : 2: Low P usiness bl 2.5" W X 1 17mm W 2 | rofile, lack co 14.0" [| 32-bit Þ olor; met D X 3.9" | CI 2.3 al case H |) | | |
| | Graphics | integr one a (supp | Graphics M rated graphic analog VGA ports single-l orts dual ind | cs in Q45, DB-15 coi link DVI-D | , uses nnect via c | main or, one able 45 | memory Display | v (up to 1 vPort™ co | nnector | • 16 • To • To • To | 317mm W X 355mm D X 99mm H 16.5 lb (7.5 kg) in maximum configuration Toolless cover flips up and tilts backward on rear h Toolless disk, optical drive removal Toolless adapter retention Toolless systemboard retention | | | | | r hinges | |
| | SATA disk SATA controller SATA DVD±RW SATA cables eSATA port Diskette drive Media reader | Seria Supe Two S | | 3.0Gb/s, er DL DVI (each 1-c | integi D±RV drop t | rated in / SATA o devic | ICH10I 1.5Gb/s | DO, RAII s Drive | 0 0/1 suppo | ort | <u> </u> | Security Security chip (see information on le Security slot (in rear for attachment optional Kensington® MicroSaver® coptional cable also locks the cover deactivating the cover release but | | | | | ent of ® cable) over by |
| | Chipset | Digita | Q45 Expres al Office [ICH net MAC, PC | H10DO] (S | AŤA | 3.0Gb/ | s with R | AID 0/1 | support, PO | I Expr | | deactivating the cover release bu Power-on password Administrator password Hard disk password (user and mas Boot sequence control Boot without diskette, keyboard Serial port I/O control | | | | | |
| | Front ports Rear ports | Six U eSAT | | al (9-pin), | ethe | rnet (R | J-45), m | nonitor (V | 'ĠA DB-15, | Displa | | | | | | uotoi) | |
| | nternal connector Rear audio ports Audio Speaker Ethernet ntel AMT Modem Security chip | Line-i High One i Gigat Intel A None | in (stereo, 3. Definition (H internal spea oit ethernet o Active Mana | .5mm), lin HD) Audio, aker for bu on planar, agement To | e-out Analusines Intelechno | (stered log Dev ss audi 82567 blogy (i | o, 3.5mr rices AD o LM, Wal AMT) | n), micro 01882 co ke on LA | phone-in (s dec N®, ASF2.0 | tereo, , DASI | o, 3.5mm) ´ | | | | | iement | |
| | Keyboard | Prefe | rred Pro US | B Keyboa | rd (U | SB cor | nector), | , 104-key | , black, Ler | novo® l | • | Supports ThinkVantage® technologies | | | | | |
| | Mouse Power supply | | al Wheel Mo vatts with va | | | | | | | | | GREENGUARD® certified | | | | | |
| | Preloaded oper - Windows® XP | Profes | ssional prein | | 1GB | | 500 DD | R3 UDIN | | | 45J5434 | | HS-comp | oliant | d Warrar | ntv¹ | |
| | through down, Windows 7 Pr Preloaded appl Rescue and R Client Security ThinkVantage ThinkVantage McAfee® Virus (30 days of vir Lenovo Systet Adobe® Reade Microsoft® Off Roxio® Creato (DVD±RW) Roxio MyDVD Corel® WinDV | ofession ication icati | onal ns⁵ (only sor ry™ cion™ ctivity Cente m Update Plus initions) box 07 Trial (60-c siness Edition | me listed) er day) | 5000 1TB Supe Disp Disp ATI TM NVIE NVIE More | GB SATA 3 SATA 3 er Multi layPort layPort PRAGE DIA® QU DIA QU e acces Guide i | A 3.0Gb/s 3.0Gb/s -Burner to Sing to VGA on™ HD uadro® 2 adro 256 sories o | Disk (72) DL DVD le-link DV Monitor 3470 25 256MB N 6MB FX on O-M58 | 7200 rpm) 00 rpm) ±RW SATA /I-D Cable Cable 6MB (DP, \ VS 290 370 LP | Drive (| 45J7915 57Y4393 45K1636 43R1765 55Y9275 de | | Custome parts only or selections elections on the comment of the c | onal Warr Replay In Replay In Replay In Covera In c | arranty Saceable Unimited of the sign of t | Jnit (CRonsite solding house timoptions ir responder 41C918 Businese 41C919 ir responder 41C919 ir respond | nse plidays, ne) nse pligay onse gay gay gay onse gay gay onse gay |

| - | | | Slot x | | | | | SATA | SATA | | Monito | or Display | Port Intel | Win7 | Global | Avail | | |
|-------------|---|--|--|--|---|--|---|--|--|---|---|---|---|--|--|--|--|--|
| - | | Type-model | bay | Processor | | | Memory | ⁸ disk | optical | | connect | ors dong | le vPro | preload | Educ | date | | |
| ≻ [| /158p | 9964-ACU | 2x3 | Core 2 Duo E8400 Core 2 Quad Q940 Core 2 Duo E8400 | 3.00 2.66 3.00 | 2 4 2 | | 320GB | DVD±RW DVD±RW DVD±RW | GMA GMA GMA | VGA, [VGA, [VGA, [| OP Non | e vPro | Pro 32 Pro 32 Pro 64 | None | | | |
| | | | Th | tel Core 2 Processo nese small and med nese models have a | um bus | siness | (SMB) m | odels are | | | | | ogy) | | | | | |
| | osition Proces | sor | Intel Virtu and Intel Virtu | nate security, stabilit © Core™ 2 Duo Pro alization Technology 6MB L2 cache or Core 2 Quad Proc alization Technology 6MB L2 cache | cessor , TXT, essor (| • E8400 1333MI 29400 |) with du Hz syste with qu a | m bus, ad-core, | erprise | Bay 2 | 5.25", ⁻ | optical disk (in rear) 5", 1.6" high, access, std optical disk (in rear) | | | | | | |
| I | nplem | nentation | | essor in LGA775 so | cket | | | | | 1 1 | • | 5" high, sofile, PCI I | | ' ' | reader) | | | |
| _ | 1emor | • | non- Italic Non- | -italics: standard me | capabl mory ir mory ir | e, four n two so n one s | 240-pin ockets; to ocket; 3 | DIMM so wo socke sockets a | ckets; ts available | Slot 2 Bus 12.5 | : Low Pro iness bla 5" W X 14 mm W X | ofile, 32-bi ck color; r 1.0" D X 3 355mm D | it PCI 2.3 metal cas .9" H) X 99mm | e n H | | | | |
| _ | iraphi | | integ (up to one a (sup) | Graphics Media A prated graphics in Q4 o 765MB /2GB mod analog VGA DB-15 o ports single-link DVI orts dual independe | l5, use els] or connec -D via d | s main 1759Ml tor, one cable 4 | memory B <i>[4GB r</i> e Display | , <i>models]</i>), rPort™ co | | 16.5 lb (7.5 kg) in maximum configuration Toolless cover flips up and tilts backward on rear Toolless disk, optical drive removal Toolless adapter retention | | | | r hinges | | | | |
| 6 | ATA C SATA c SATA Diskett | ontroller DVD±RW ables port e drive | Seria Supe Two | | s, integ VD±RV I-drop t | rated ir V SATA o devic | n İCH10I . 1.5Gb/s | DO, RAID S Drive | 0/1 suppo | rt | | Securit options option deac | ty chip (sety slot (in al Kensing nal cable tivating th | rear for a gton® Mic also lock ne cover i | ittachme roSaver is the co | ent of ® cable) over by | | |
| Ċ | hipse | | Digit | Q45 Express Chip al Office [ICH10DO] rnet MAC, PCI 2.3, i | (SATA | 3.0Gb/ | s with R | AID 0/1 s | support, PC | I Expres | ss x1, | Power-on password Administrator password Hard disk password (user and master) Boot sequence control | | | | aster) | | |
| F F F | | orts I connector udio ports er | Six U eSAT Two Line- High One | JSB 2.0, serial (9-pii FA USB 2.0 planar coni- in (stereo, 3.5mm), Definition (HD) Audinternal speaker for | .0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) D, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, DisplayPort), D, planar conn (1 used; one open for media reader or 2 rear USB ports reo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) tion (HD) Audio, Analog Devices AD1882 codec al speaker for business audio ernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 | | | | | 3 ports) 5mm) | | | | | | | | |
| I N | ntel Al loden | MT | Intel None | Active Management | Techn | ology (i | AMT) | | | | | Supports ThinkVantage® technologies | | | | | | |
| ŀ | eyboa louse | ard | Prefe Optio | erred Pro USB Keyb cal Wheel Mouse (U watts with variable s | oard (L SB con | ISB cor | nnector), , 400 dp | , 104-key oi, black, l | , black, Ler Lenovo log | iovo® log | | GREEN(RoHS-co | | | | | | |
| | Prelo - Soi - Soi - Prelo - Res - Pas - Thi - Thi - Thi - Ler - Noi (30 - Add - Add - Mic | aded operame: Genuin Profess me: Genuin Profess aded appli scue and Ressword Mannavantage nkVantage nkVantage nkvantage froo™ Interrodays of viru be® Reade obe Flash® crosoft® Office | ating e Win isional e Win isional catio catio catio catio catio bata es de r Playe Playe Bus Bus Bus Bus Bus Bus Bus Bus Bus Bus | system ²⁰ ndows® 7 I 32 ndows 7 I 64 vns⁵ (only some listery™ em Update er Manager ox I Backup ecurity 2009 finitions) er 107 Trial (60-day) siness Edition | Acc 1GE 2GE 5000 1TB Sup Disp Disp ATIT NVIII NVIII Mor | essories PC3-8 PC3 | es 3500 DD 3500 DD TA 3.0Gb/s i-Burner t to Sing t to VGA on™ HD uadro® 2 adro 250 ssories c in pdf le | R3 UDIM R3 UDIM Disk (720 DL DVD- Ie-link DV Monitor 3470 25 256MB N 6MB FX (500 O-M58 novo.coi | IM IM 7200 rpm) 00 rpm) ±RW SATA VI-D Cable Cable 6MB (DP, V VS 290 370 LP | 45 45 43 45 Drive 41 57 (GA) 45 43 55 | 5J7915 Y4393 5K1636 BR1765 5Y9275 | □ Intern □ Custo parts for se Mon - next t □ Onsite (in elii • 3-ye (Thi • 4-ye (Thi • 4-ye (Thi □ Think lenove □ Post v service □ 24 ho during | r parts an ational Womer Reponly (with lected pare Fri cover ousiness e service gible locate LOR 2 inkPlus pare LOR 9 inkPlus pare LOR 9 inkPlus pare LOR 9 inkPlus pare LOR 9 inkPlus pare LOR 10 inkPlus pare LOR 10 inkPlus pare LOR 2 inkPlu | /arranty S laceable in himited rts³, 8 arrage excliday responsessions: // www.rage excliday responsessions // www.rage // www. | Service ⁹ Unit (CF onsite s in -5 pm, uding honse tim options ur responder 41C91: Busineer 41C91: ur responder 41C91: ur resp | RU) service solidays, ne) sonse 192) onse 93) ss Day 94) onse 95) onse | | |

| Name Type-model | Slot x bay Processor | GHz Cores Memo | SATA ry ⁸ disk | SATA ontical | Granhice | Monitor | DisplayPor dongle | | Preload | Global | Avail date |
|--|---|--|--|--|---|--|--|--|--|--|---|
| M58p 9965-A6U | 4x4 Core 2 Duo E8400 | 3.00 2 2GB | 250GB ² | DVD±RW | GMA | VGA, DP | | vPro | XP Pro | None | Nov 09 |
| • M58p 9965-A7U | 4x4 Core 2 Quad Q9400 Intel Core 2 Processor These small and mediu These models have a 3 | with vPro™ Techn m business (SMB | ology (incl | DVD±RW udes Intel A re part of th | ctive Ma | VGA, DP nagement 1 Seller™ Pr | Technology | | XP Pro | None | Nov 09 |
| Positioning Processor | Ultimate security, stability, Intel® Core™ 2 Duo Proc Virtualization Technology, and 6MB L2 cache or Intel Core 2 Quad Proce Virtualization Technology, and 6MB L2 cache Processor in LGA775 soc | 6.9" W X 17.3" D X 15.8" H 175mm W X 440mm D X 402mm H 24.2 lb (11.0 kg) in max configuration Handle on top front Toolless cover removal | | | | | optica ② ③ disk | | | | |
| Memory | 2GB or 4GB std, 8GB ma non-parity, dual-channel of | x ⁸ , PC3-8500 106 apable, four 240-p nory in two socket | oin DIMM s s; two sock | ockets; cets availabl | opti • Too Bay @ | lless disk, of cal drive re lless adapt | moval er retentior 6" high, acc | n cess, | std opt | ical | 0 |
| Graphics SATA disk | Intel Graphics Media Ac integrated graphics in Q45 one analog VGA DB-15 co (supports single-link DVI-I supports dual independer 250GB or 320GB, SATA 3 | 5, uses main mem onnector, one Disp D via cable 45J79 It display | lory (up to blayPort™ c 15), HDCP, | 1GB), connector , DirectX® 10 | Baý ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, access, open (reader Bay ④ 3.5", 1" high, no access, std disk O, Slot 1: half-length, full-height, PCle 2.0 x16 (75w Slot 2: half-length, full-height, PCle x1 Slot 3: half-length, full-height, 32-bit PCl 2.3 | | | | | k 5 (75w n 3 | , |
| SATA controller SATA DVD±RW SATA cables eSATA port Diskette drive Media reader | Serial ATA, SATA 3.0Gb/s Super Multi-Burner DL DV Two SATA cables (each 1- and one eSATA connector None None None | integrated in ICH D±RW SATA 1.50 drop to device), th | 10DO, RA 3b/s Drive | ID 0/1 | Siot 2 | | Security Security Security Security Security Security Security Security Security chip (see information on least to secure both cover and entire system to fixed object: Padlock loop (in rear for opt padles Security slot (in rear for optional Kensington® MicroSaver® cable) Power-on password Administrator password | | | | |
| Chipset | Intel Q45 Express Chips Digital Office [ICH10DO] (ethernet MAC, PCI 2.3, U | SATA 3.0Gb/s wit | h RAID 0/1 | support, Po | CI Expre | ss x1, | | | | | |
| Rear audio ports Audio Speaker Ethernet Intel AMT Modem | Six USB 2.0, serial (9-pin) monitor (VGA DB-15, Disp Two USB 2.0 planar conn Line-in (stereo, 3.5mm), li High Definition (HD) Audio One internal speaker for being digabit ethernet on plana Intel Active Management None | none (stereo, 3.5mm), headphone (stereo, 3.5mm) -pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), DisplayPort) sonn (1 used; one open for media reader or 2 rear USB port n), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm) Audio, Analog Devices AD1882 codec for business audio lanar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0 | | | | | • Individual USB port disablement | | | | |
| Keyboard Mouse Power supply | Winbond® WPCT200 Safe Preferred Pro USB Keybo Optical Wheel Mouse (US 280 watts with variable sp | ard (USB connect B connector), bla | or), 104-ke | ey, black, Le logo | novo® loç | go | Supports ThinkVantage® technologies GREENGUARD® certified RoHS-compliant | | | | |
| Preloaded opera - Windows® XP through downg Windows 7 Pre Preloaded appli • Rescue and Re • Client Security • ThinkVantage • McAfee® Virus (30 days of virus • Adobe® Reade • Microsoft® Offia | rating system ²⁰ Professional preinstalled grade rights in Genuine ofessional ications ⁵ (only some listed lecovery™ / Solution™ Productivity Center System Update Scan® Plus us definitions) m Toolbox er® ice 2007 Trial (60-day) r® Business Edition | Accessories 1GB PC3-8500 2GB PC3-8500 500GB SATA 3.1TB SATA 2.0G | DDR3 UDI DDR3 UDI OGb/s Disk b/s Disk (7: ner DL DVI r s SATA 1.50 GA Monito HD 3470 2 ce® 9500G ® 256MB NV es on O-Ms f lenovo.ce | MM MM .(7200 rpm) 200 rpm) D±RW SATA Gb/s Drive DVI-D Cable r Cable :56MB (DP, T 512MB (DV) VS 290 /S 295 58 sheet om/accesso | 4. 4. 4. 4. Drive 4 4. 5 VGA) 4. P, DVI)4 4. 4. 4. | 5J5434 5J5435 3R1990 5J7918 1N5620 5K1675 5J7915 7Y4393 5K1636 5K1635 3R1765 5K1669 | 3-year par Internation Custome parts on for select Mon - Frinext bus Onsite so (in eligib - 3-year (Thinkl - 4-year (Thinkl - | Limite arts an onal Wer Replity (with ted paid to cover incessed to Cover t | darranty Saceable In Ilmited In Ilmited In Ilmited In Ilmited In Ilmited In Ilmited In Ilmited In Ilmited In Ilmited In Ilmited In Ilmited In Ilmited In Ilmited In Ilmited In Ilmited In Ilmited In Ilmited I | service ⁹ Jnit (CF onsite s 1-5 pm uding h onse tin options or responder 41C91 sur responder 41C91 or 41C91 or 41C91 or responder 41C91 | RU) service , olidays, ne) s onse p192) onse 93) ss Day 94) onse 95) onse |

| Name Type-model | Slot x bay | Processor | GHz | Cores | Memory | SATA disk | SATA optical | Graphic | Monitor s connector | DisplayPor s dongle | | Win7 preload | | Avai date |
|--|--|---|--------------------------------------|---|--|---------------------------------------|----------------------------|---|---|------------------------|--|----------------------------------|--------|----------------------------|
| M58p 9965-ABU | 4x4 | Core 2 Duo E8400 Core 2 Quad Q9400 Core 2 Duo E8400 | 3.00 2.66 3.00 | 4 | 2GB 4GB 4GB | 250GB ² 320GB 320GB | DVD±RW DVD±RW DVD±RW | GMA | VGA, DF VGA, DF VGA, DF | None | vPro | Pro 32 Pro 32 Pro 64 | None | Jan 10 Jan 10 Mar 10 |
| | • T | ntel Core 2 Processor hese small and medi hese models have a 3 | um bu | siness | (SMB) r | nodels al | | | | | <i>(</i>) | | | |
| Positioning Processor | Inte Virtu and Inte Virtu and | mate security, stability I® Core™ 2 Duo Produalization Technology 6MB L2 cache or II Core 2 Quad Procualization Technology 6MB L2 cache cessor in LGA775 so | essor , TXT, essor , TXT, | r E84 0 1333 Q940 0 | Ó0 with d ∕/Hz syst O with qu | lual-core em bus, ıad-core | , | • 6.9" W X 17.3" D X 15.8" H • 175mm W X 440mm D X 402mm H • 24.2 lb (11.0 kg) in max configuration • Handle on top front • Toolless cover removal • Toolless disk, diskette drive, | | | | optica ② ③ disk | | |
| Memory | non Itali | or 4GB std, 8GB m -parity, dual-channel cs: standard me a-italics: standard me | capab mory i | le, fou n two | r 240-pir sockets; | n DIMM s two sock | ockets; ets availab | ole; Bay | • Toolless adapter retention Bay ① 5.25", 1.6" high, access, std optical Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, access, open (reader/d Bay ④ 3.5", 1" high, no access, std disk Slot 1: half-length,full-height, PCle 2.0 x16 (75w m Slot 2: half-length,full-height, PCle x1 Slot 3: half-length,full-height, 32-bit PCl 2.3 | | | | 0 0 | |
| Graphics | integ (up one (sup | I Graphics Media Adgrated graphics in Q4 to 765MB [2GB modianalog VGA DB-15 coports single-link DVI-ports dual independe | 5, use els] or connec D via | s mai 1759N tor, or cable | n memor MB <i>[4GB</i> ne Displa | ry 3 <i>models]</i>] ayPort™ d |), connector | Bay Bay Slo Slo Slo | | | | | | |
| SATA disk SATA controller SATA DVD±RW SATA cables eSATA port Diskette drive Media reader | Seri Sup Two | ie | s, integ VD±R' -drop | grated W SAT to dev | in İCH10 A 1.5Gb | DDO, RAI /s Drive | D 0/1 supp | Security chip (see information of One lock to secure both cover a entire system to fixed object: Padlock loop (in rear for opt person) Security slot (in rear for option) | | | nation or cover ar ject: or opt pa r optiona | nd [*] idlock) al | | |
| Chipset | Digi | I Q45 Express Chip tal Office [ICH10DO] ernet MAC, PCI 2.3, L | (SATA | 3.0G | b/s with I | RAID 0/1 | support, F | CI Exp | Kensington® MicroSaver® cable) Power-on password Administrator password | | | | , | |
| Front ports Rear ports | Six mor | USB 2.0, microphon USB 2.0, serial (9-pin hitor (VGA DB-15, Dis | ı), key playP | ooard ort) | (PS/2), r | mouse (P | S/2), ether | .5mm) Boot sequence control | | | | , | | |

Preloaded operating system²⁰ Some: Genuine Windows® 7 Professional 32 Some: Genuine Windows 7

Professional 64

Preloaded applications⁵ (only some listed)

- Rescue and RecoveryTM
 Password Manager

Rear audio ports

Audio

Speaker

Ethernet

Intel AMT

Keyboard

Mouse Power supply

Security chip

Modem

- ThinkVantage System Update ThinkVantage Power Manager
- ThinkVantage Toolbox
- Lenovo Online Data Backup
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)

Accessories

280 watts with variable speed fan, manual switch, two diagnostic LEDs

Internal connector Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports)

High Definition (HD) Audio, Analog Devices AD1882 codec

One internal speaker for business audio

Intel Active Management Technology (iAMT)

Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)

Gigabit ethernet on planar, Intel 82567LM, Wake on LAN®, ASF2.0, DASH 1.0

Winbond® WPCT200 SafeKeeper™ Trusted Platform Module, TCG 1.2-compliant

Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Optical Wheel Mouse (USB connector), black, Lenovo logo

1GB PC3-8500 DDR3 UDIMM 45J5434 2GB PC3-8500 DDR3 UDIMM 45J5435 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918 Super Multi-Burner DL DVD±RW SATA Drive 41N5620 Blu-ray™ Burner SATA 1.5Gb/s Drive 45K1675 DisplayPort to Single-link DVI-D Cable 45J7915 DisplayPort to VGA Monitor Cable 57Y4393 ATI[™] Ŕadeon™ HD 3470 256MB (DP, VGA) 45K1636 NVIDIA® GeForce® 9500GT 512MB (DP, DVI)45K1635 NVIDIA Quadro® 256MB NVS 290 NVIDIA Quadro 256MB NVS 295 43R1765 45K1669 More accessories on O-M58 sheet

Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories

- Serial port I/O control
- Individual USB port disablement

Supports ThinkVantage® technologies

GREENGUARD® certified RoHS-compliant

- 3-year parts and labor
- International Warranty Service⁹
 Customer Replaceable Unit (CRU)
- parts only (with limited onsite service for selected parts3, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)
- Onsite service upgrade options (in eligible locations):7
 - 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192)
 - 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) 4-year LOR 9x5, Next Business Day
 - (ThinkPlus part number 41C9194) 4-year LOR 9x5, 4 hour response
 - (ThinkPlus part number 41C9195) 4-year LOR 24x7, 4 hour response
 - (ThinkPlus part number 41C9196)
- ThinkPlus services at lenovo.com/thinkplus/warranty
- Post warranty maintenance services available
- 24 hour x 7 day14 toll-free support during the warranty period via 800-426-7378

ThinkCentre® M58, M58p Accessories

Partial list of accessories supported on ThinkCentre M58 and M58p

Memory

Eco Ultra Small 8820/7359/7637/9961/7479/6136 use notebook memory:

| 1GB PC3-8500 | DDR3 SODIMM | (notebook) | 43R1987 | ann 08/05/08 |
|--------------|---------------|--------------|---------|--------------|
| 1GB PC3-8500 | DDR3 SODIMM | (25-Pack) | 51J0551 | ann 03/17/09 |
| 2GB PC3-8500 | DDR3 SODIMM | (notebook) | 43R1988 | ann 08/05/08 |
| 2GB PC3-8500 | DDR3 SODIMM | (25-Pack) | 51J0552 | ann 03/17/09 |
| 1GB PC3-8500 | DDR3 Low-Halo | gen SODÍMM | 55Y3706 | ann 06/23/09 |
| 1GB PC3-8500 | DDR3 L-H SODI | MM (25-Pack) | 57Y4385 | ann 06/23/09 |
| 2GB PC3-8500 | DDR3 Low-Halo | gen SODIMM | 55Y3707 | ann 06/23/09 |
| 2GB PC3-8500 | DDR3 L-H SODI | MM (25-Pack) | 57Y4386 | ann 06/23/09 |

Small 8910/7360/6258/7638/9964/7483/7220/6137/6234, and Tower 9960/7373/6239/9965/7484/7188/6138/6209/3063/3285/9728/ 7639 use desktop memory:

| 1GB PC3-8500 DDR3 UDIMM | 45J5434 | ann 11/18/08 |
|-----------------------------------|---------|--------------|
| 1GB PC3-8500 DDR3 UDIMM (25-Pack) | 57Y4421 | ann 11/10/09 |
| 2GB PC3-8500 DDR3 UDIMM | 45J5435 | ann 11/18/08 |
| 2GB PC3-8500 DDR3 UDIMM (25-Pack) | 57Y4422 | ann 11/10/09 |
| | | |

Optical All:

DVD-ROM DL SATA 1.5Gb/s 16X-48X Max⁴ 41N5618 ann 09/26/06 Super Multi-Burner DL DVD±RW SATA Drive 41N5620 ann 09/26/06

Tower 9960/7373/6239/9965/7484/7188/6138/6209/3063/3285/9728/ 7639 support: Blu-ray™ Burner SATA 1.5Gb/s Drive

45K1675 ann 03/31/09

USB 2.0 Super Multi-Burner Drive

USB 2.0 Portable DVD Burner

| Storage and removable storage | | |
|--|---------|--------------|
| 160GB SATA 3.0Gb/s Disk (7200 rpm) | 09N4254 | ann 05/19/03 |
| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 | ann 01/24/06 |
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 | ann 11/06/07 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 | ann 08/19/08 |
| 150GB SATA 3.0Gb/s Disk (10000 rpm) 2.5" | 43R2030 | ann 03/31/09 |
| USB 2.0 Essential Memory Key 4GB | 45J7904 | ann 06/24/08 |
| USB 2.0 Essential Memory Key 8GB | 45J7905 | ann 07/15/08 |
| USB 2.0 Essential Memory Key 32GB | 45K1258 | ann 10/28/08 |
| USB 2.0 Ultra Secure Memory Key 1GB | 45J5915 | ann 08/26/08 |
| USB 2.0 Ultra Secure Memory Key 2GB | 45J5916 | ann 08/26/08 |
| USB 2.0 Ultra Secure Memory Key 4GB | 45J5917 | ann 08/26/08 |
| USB 2.0 Ultra Secure Memory Key 8GB | 45J5918 | ann 08/26/08 |
| USB 2.0 Portable 320GB Hard Disk | 45K1689 | ann 03/17/09 |
| USB 2.0 Portable 500GB Hard Disk | 45K1690 | ann 05/26/09 |
| USB 2.0 Portable Secure 160GB Hard Disk | 43R2018 | ann 11/18/08 |
| USB 2.0 Portable Secure 320GB Hard Disk | 43R2019 | ann 11/18/08 |
| eSATA/USB 2.0 Secure 500GB Hard Drive | 57Y4400 | ann 01/07/10 |

Graphics

Small 8910/7360/6258/7638/9964/7483/7220/6137/6234 support Low

41N5565 ann 01/23/07

43N3264 ann 01/05/10

| i ionic. | | |
|--|---------|--------------|
| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 | ann 11/06/07 |
| ATI™ Radeon™ HD 3470 256MB (DP, VGA) | 45K1636 | ann 11/18/08 |
| NVIDIA® Quadro® 256MB NVS 290 | 43R1765 | ann 12/18/07 |
| NVIDIA Quadro 256MB FX 370 Low-Profile | 55Y9275 | ann 07/28/09 |
| NVIDIA GeForce® 310 DMS59 (2-DVI, 2-VGA) | 57Y4167 | ann 03/02/10 |

Tower 9960/7373/6239/9965/7484/7188/6138/6209/3063/3285/9728/ 7639 support 75 watts max:

| ADD2 DVI-D Monitor Connection (HDCP) | 43R1985 | ann 11/06/07 |
|---|---------|--------------|
| ATI Radeon HD 3470 256MB (DP, VGA) | 45K1636 | ann 11/18/08 |
| NVIDIA Quadro 256MB NVS 290 | 43R1765 | ann 12/18/07 |
| NVIDIA Quadro 256MB NVS 295 | 45K1669 | ann 04/21/09 |
| NVIDIA GeForce 9500 GT 512MB (DP, DVI) | 45K1635 | ann 11/18/08 |
| NVIDIA GeForce 310 DMS59 (2-DVI, 2-VGA) | 57Y4167 | ann 03/02/10 |

More information at www.lenovo.com/support/graphiccards

Keyboard

| Preferred Pro USB Keyboard | 73P5220 | ann 06/21/05 | | | | |
|---|---------|--------------|--|--|--|--|
| Preferred Pro Full Size PS/2 Keyboard | 31P7415 | ann 06/04/02 | | | | |
| Enhanced Performance USB Keyboard | 73P2620 | ann 03/23/04 | | | | |
| Ultraslim Wireless Keyboard and Mouse ⁵² | 57Y4700 | ann 09/15/09 | | | | |
| Lenovo® USB Fingerprint Keyboard | 73P4730 | ann 02/22/05 | | | | |
| Lenovo USB Smartcard Keyboard | 51J0155 | ann 03/24/09 | | | | |
| ⁵² Wireless via 2.4GHz technology using a micro-size USB receiver. | | | | | | |

More information at www.lenovo.com/support/keyboards

| Mouse | | |
|---|---------|--------------|
| Lenovo Mini Optical Mouse - Black (USB) | 55Y9308 | ann 05/19/09 |
| Lenovo Mini Optical Mouse - White (USB) | 55Y9309 | ann 05/19/09 |
| Lenovo Optical Mouse (USB) | 06P4069 | ann 05/21/03 |
| Lenovo ScrollPoint® Mouse(ÚSB, Optical) | 31P7405 | ann 08/27/02 |
| Lenovo Laser Mouse (USB) | 41U3074 | ann 01/23/07 |
| Lenovo Wireless Laser Mouse - Black ⁵² | 45K1696 | ann 11/25/08 |
| Lenovo Wireless Laser Mouse - Red/Black ⁵² | 51J0198 | ann 11/25/08 |
| | | |

More information at www.lenovo.com/support/mice

Multimedia

ThinkPad® In-Ear Headphones 57Y4488 ann 01/07/10

Security

Kensington® MicroSaver® Cable Lock⁵⁶ Kensington Twin Head Cable Lock⁵⁶ 73P2582 ann 12/29/03 45K1620 ann 09/30/08 USB Gemplus GemPC Smart Card Reader 41N3040 ann 02/21/06 ⁵⁶ Attaching to any form factor not only secures the ThinkCentre to the work area, but it also prevents users from opening the chassis itself.

Mounting Device

Eco Ultra Small 8820/7359/7637/9961/7479/6136 support under desk mounting device:

ThinkCentre Ultra Small Under Desk Mount 40Y8625 ann 09/06/05

Monitors

| ThinkVision® L1711p 17" Monitor | 5047HB2 ann 10/20/09 |
|-------------------------------------|----------------------|
| ThinkVision L1900p 19" Monitor | 4431HE1 ann 11/11/08 |
| ThinkVision L1951p Wide 19" Monitor | 2448HB6 ann 10/20/09 |
| ThinkVision L2250p Wide 22" Monitor | 2572HB6 ann 10/20/09 |
| ThinkVision L2251p Wide 22" Monitor | 2572HD6 ann 10/20/09 |
| ThinkVision L2251x Wide 22" Monitor | 2578HB6 ann 10/20/09 |
| ThinkVision L2440p Wide 24" Monitor | 4420HB2 ann 09/17/08 |
| | |

More information at www.lenovo.com/thinkvision

Monitor Accessories⁴⁶

Eco Ultra Small 8820/7359/7637/9961/7479/6136 support:

Lenovo Vertical PC and Monitor Stand II 41R4474 ann 01/27/09

Lenovo USB-to-DVI Monitor Adapter 45K5296 ann 05/12/09 DisplayPort™ to Single-link DVI-D Cable 45J7915 ann 08/05/08 DisplayPort to VGA Monitor Cable 57Y4393 ann 08/04/09 ThinkVision USB Soundbar 40Y7616 ann 08/23/05 ThinkVision Soundbar 45K1263 ann 09/16/08 Kensington MicroSaver Cable Lock56 73P2582 ann 12/29/03 Kensington Twin Head Cable Lock56 45K1620 ann 09/30/08 19K4464 ann 05/05/00 ⁴⁶Compatible on selected Lenovo and ThinkVision monitors.

More information at www.lenovo.com/support/monitoraccessories

Medialess License Key (MLK)

Microsoft® Office 2007 Basic, English
Microsoft Office 2007 Small Business, Engl
43R1528 ann 07/03/07
43R1534 ann 07/03/07 Microsoft Office 2007 Professional, English 43R1531 ann 07/03/07

For more information on desktop accessories, please visit: www.lenovo.com/support/accessories www.lenovo.com/support/desktopaccessories www.lenovo.com/support/security

Other accessories at www.lenovo.com/accessories







Lenovo ThinkCentre M90/M90p Eco USFF



Lenovo ThinkCentre M90/M90p Eco USFF





Lenovo ThinkCentre M90/M90p SFF



Lenovo ThinkCentre M90/M90p SFF with ThinkVision L2251x (2578-HB6)





Lenovo ThinkCentre M90/M90p Tower

Lenovo ThinkCentre M90/M90p Tower

| Slot x Type-model bay | Processor GHz C | ores Memory ⁸ | SATA disk | SATA optical | Integrated graphics | | ENERGY STAR 5.0 | | Preload | Recovery DVD | Global | Avail date |
|--|---|---|--|--|--|---|--|--|---|---|--|---|
| 3244-A1U 1x2 | Core i3-530 2.93 Pentium G6950 2.80 | 2 2GB | 250GB ² 250GB | DVD±RW DVD±RW | Intel HD | VGA, DP VGA, DP | ES50 | None | XP Pro XP Pro | Pro 32 | None | Feb 10 Feb 10 |
| • | The most powerful, stal These small and mediu. These models have a 3- | ole, and mana n business (S | geable d SMB) mo | esktop with dels are par | next gene | ration Inte | el platforn | 7 | AL LIO | 11032 | NOILE | 1 60 10 |
| Positioning Processor | Ultimate security, stabili Intel® Pentium® Proces Intel 64, Virtualization Ti dual-channel DDR3 me Intel Core™ i3 Process Intel 64, Hyper-Threadir integrated 1333MHz du and 4MB cache | ssor G6950 vechnology, intended mory controlle or i3-530 with ag Technology | vith dual - egrated er, 3MB o h dual-c o y, Virtuali | core, 1066MHz cache or ore, zation Techr | nology, | | 25", 1.6" | high, a | | std opt | ical | |
| Implementation Memory | Processor in LGA1156 2GB std, 4GB max, PC two 204-pin SODIMM s | 3-10600 133 | | DR3*, | | • Busine • 11.0" V | ow Profile ss black (V X 9.4" [| color; n X 3.1 | netal case " H | | | |
| Omerking | Non-italics: standard mo * System automatically DDR3 memory controlled | clocks down f er | | | | 9.2 lb (HingedToolles | n W X 238 4.2 kg) in I toolless s disk an | maxim cover for d optical | num confi or easy s al drive re | guration erviceable emoval | - | |
| Graphics DP dongle | Intel HD Graphics in pi HDCP, DirectX® 10**, us one analog VGA DB-15 supports dual independ ** DirectX 10 is only ava None | ses main men connector, or ent display | ne Displa | yPort™ con | | Systen | • 5 | Security Security | Se y chip (se y slot (in r | curity e informate ar for a | ation on | nt of |
| SATA disk SATA DVD±RW SATA Controller eSATA port Diskette drive Media reader | 250GB, SATA 3.0Gb/s 7 Super Multi-Burner DL I Serial ATA, SATA 3.0Gb two SATA connectors fo None None None | DVD±RW SAT /s, integrated | in chipse | | • F • H • E | able) Power-o Hard dis Boot se Boot wi | I Kensing on passwork passwork quence of thout key all USB p | ord ord control board an | d mous | | | |
| Chipset | Intel Q57 Express Chi Platform Controller Hub SMSC® SCH5147 Supe | (PCH) for PC | CI, ethern | et, and USE | | | | | | | | |
| Front ports Rear ports Rear audio ports Audio Speaker Ethernet Intel AMT Modem Security chip | Two USB 2.0, micropho Six USB 2.0, ethernet (I Line-in (stereo, 3.5mm), High Definition (HD) Au Internal speaker for bus One gigabit ethernet po None None STMicroelectronics ST1 TCG 1.2-compliant | RJ-45), monit line-out (ster dio, Realtek® iness audio rt, Intel 82578 | • E • E | PEAT™ NERG` REEN(| nvironmo Gold rat Y STAR® GUARD® ompliant | ing 5.0-comp | | | | | | |
| Keyboard Mouse Power supply | Preferred Pro USB Keyl Optical Wheel Mouse (L External AC/DC adapte | JSB connecto | r), black, | Lenovo log | 0 | vo® logo | Sup | ports | ThinkVant | tage® tec | | es |
| Preloaded opera - Windows® XP fthrough downg Windows 7 Pro Professional 32 Preloaded applic - Rescue and Re - Client Security - ThinkVantage FthinkVantage FthinkVantage Fthortom™ Intern (30 days of viru - Adobe® Reade - Adobe Flash® Fthere - Skype™ for Wir - Microsoft® Offic - Corel® Burn.No | ating system ²⁰ Professional preinstalled rade rights in Genuine fessional (with Windows Professional P | Accessor 500GB SA 1TB SATA 7 Super Mu DisplayPo DisplayPo Lenovo Ve ThinkCent More acce Acc Guide | ries ATA 3.0G 3.0Gb/s Iti-Burner rt to Sing rt to VGA ertical PC tre Ultra Sessories e in pdf le | b/s Disk (720 Disk (7200 T DL DVD±R Jle-link DVI-I Monitor Ca and Monito Gmall Under on O-M90 si enovo.com/ at lenovo.c | 00 rpm) rpm) IW SATA D D Cable able or Stand II Desk Mou heet accessorie | 45J79 57Y4 41R4 nt 40Y8 sguide | 990 318 620 915 3393 474 625 | International Custor Custor parts of for sel Mon-next boonsite (in eligible 1 3-ye (Thire 1 4-ye (Th | parts and attional Warner Replaced for the coverage of the control of the coverage of the cov | d labor arranty S aceable to limited or the state of the | service ⁹ Jnit (CR J | ervice blidays, ie) nse 192) onse 93) ss Day 94) onse 95) onse |

| Type-model | Slot x bay | Processor | GHz | Cores | Memory ⁸ | SATA disk | SATA optical | Integrated graphics | | ENERGY STAR 5.0 | Intel vPro | Win7 preload | Global Educ | Avail date |
|------------|---------------|-------------|------|-------|---------------------|--------------------|--------------|---------------------|---------|--------------------|---------------|-----------------|----------------|---------------|
| 3244-A8U | 1x2 | Core i3-530 | 2.93 | 2 | 2GB | 250GB ² | DVD±RW | Intel HD | VGA, DP | ES50 | None | Pro 32 | None | Mar 10 |

- . The most powerful, stable, and manageable desktop with next generation Intel platform
- This small and medium business (SMB) model is part of the US TopSeller™ Program
- This model has a 3-year limited warranty

| Positioning Processor | Ultimate security, stability, and manageability for the enterprise Intel® Core™ i3 Processor i3-530 with dual-core, Intel 64, Hyper-Threading Technology, Virtualization Technology, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache Processor in LGA1156 socket | Eco Ultra Sm | optical disk optical disk oo oo oo 1.6" high, access, std optical |
|---|--|---|---|
| Memory | 2GB std, 4GB max, PC3-10600 1333MHz DDR3, two 204-pin SODIMM sockets (notebook); Non-italics: standard memory in one socket; one socket available | Bay @ 3.5", Slot 1: Low P | 1" high, no access, std disk rofile, 32-bit PCI 2.3 ack color; metal case |
| Graphics DP dongle | Intel HD Graphics in processor, HDCP, DirectX® 10, uses main memory (up to 765MB), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display None | • 11.0" W X 9 • 279mm W > • 9.2 lb (4.2 k • Hinged tooll | A.4" D X 3.1" H (238mm D X 79mm H (3) in maximum configuration less cover for easy serviceability (4) k and optical drive removal |
| SATA disk SATA DVD±RW SATA Controller eSATA port Diskette drive Media reader | 250GB, SATA 3.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s, integrated in chipset, two SATA connectors for disk and optical None None None | System floo | Security Security Security Security In rear for attachment of optional Kensington® MicroSaver® cable) |
| Chipset | Intel Q57 Express Chipset, Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O | | Power-on password Hard disk password Boot sequence control |
| Front ports Rear ports Rear audio ports Audio Speaker Ethernet Intel AMT | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5m Six USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio One gigabit ethernet port, Intel 82578DM, Wake on LAN® None | , | Boot without keyboard and mouse Individual USB port disablement |
| Modem Security chip | None STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant | | Environmental Features • EPEAT™ Gold rating • ENERGY STAR® 5.0-compliant |
| Keyboard Mouse Power supply | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenco Optical Wheel Mouse (USB connector), black, Lenovo logo External AC/DC adapter, 130 watts, autosensing, 87% PSU | ovo® logo | GREENGUARD® certified RoHS-compliant |
| Preloaded opera | ating system ²⁰ Accessories | | Supports ThinkVantage® technologies |

Genuine Windows® 7 Professional 32

Preloaded applications⁵ (only some listed) • Rescue and Recovery[™]

- Password Manager
- ThinkVantage System Update ThinkVantage Power Manager
- ThinkVantage Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Àdobe® Reader®
- Adobe Flash® Player Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day) Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)

Accessories

500GB SATA 3.0Gb/s Disk(7200 rpm) 43R1990 1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918 Super Multi-Burner DL DVD±RW SATA Drive 41N5620 DisplayPort to Single-link DVI-D Cable DisplayPort to VGA Monitor Cable 45J7915 57Y4393 Lenovo Vertical PC and Monitor Stand II 41R4474 ThinkCentre Ultra Small Under Desk Mount 40Y8625 More accessories on O-M90 sheet

Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories

- 3-year parts and labor
- International Warranty Service⁹
 Customer Replaceable Unit (CRU)
- parts only (with limited onsite service for selected parts3, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)
- Onsite service upgrade options (in eligible locations):7
 - 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) 3-year LOR 24x7, 4 hour response
 - (ThinkPlus part number 41C9193) 4-year LOR 9x5, Next Business Day
 - (ThinkPlus part number 41C9194) 4-year LOR 9x5, 4 hour response
 - (ThinkPlus part number 41C9195) 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196)
- ThinkPlus services at lenovo.com/thinkplus/warranty
- Post warranty maintenance services available 24 hour x 7 day14 toll-free support
- during the warranty period¹ via 800-426-7378

| Slot x Type-model bay | Processor GHz Co | res Memory ⁸ | SATA SATA optical | Graphics | | ENERGY STAR 5.0 | | | Recovery DVD | Global Educ | Avail date |
|---|--|--|---|---|---|---|---|--|---|--|--|
| < 3245-A2Ú 2x3 3245-A8U 2x3 • | Core i3-530 2.93 Pentium G6950 2.80 Core i5-750 2.66 The most powerful, stat These small and mediun These models have a 3- | 2 2GB 2 4 3GB 5 le, and manag n business (Sl | MB) models are pa | Intel HD 310 next gene | | | None None | XP Pro XP Pro XP Pro | Pro 32 | None | Feb 10 Feb 10 Feb 10 |
| Positioning Processor | Ultimate security, stabili Intel® Pentium® Process Intel 64, Virtualization Te dual-channel DDR3 mer Intel Core™ i3 Process Hyper-Threading Techne 1333MHz dual-channel Intel Core i5 Processo Intel 64, Virtualization Te (up to 3.20 GHz at max dual-channel DDR3 mer | sor G6950 with chnology, intermory controller or i3-530 with blogy, Virtualizad DDR3 memory i5-750 with quentrology, Turburbo mode), impory controller | th dual-core, grated 1066MHz; 3MB cache or dual-core, Intel 64 ation Technology, iv controller, 4MB cuad-core, oo Boost Technologntegrated 1333MH | ·, ntegrated ache or | Bay ① 5.2 Bay ② 3.5 Bay ③ 3.5 Slot 1: Lov Slot 2: Lov • Busines | i", 1" hig ", .5" hig v Profile, v Profile, s black co | jh, no gh, ac PCI Ex 32-bit F blor; me | access, cess, press 2.0 PCI 2.3 etal case | std opti std disk open (re | cal cader) | |
| Implementation Memory | Non-italics: standard me * System automatically of DDR3 memory controlle | nax, UDIMM , F ets; emory in two so emory in one so clocks down for r | ockets; two sockets ocket; three socket r processors with | s available; s available 1066MHz | 12.5" W 317mm 16.5 lb (Toolless Toolless Toolless Toolless System | W X 355r 7.5 kg) in cover flip disk, opti adapter i system b | mm D X maxim s up ar ical driv retentio ooard re | (99mm F num config nd tilts ba ve remova on etention | guration ckward al | | hinges |
| Graphics DP dongle | A8U: one Display NVIDIA® Ge one analog | nemory (up to Port™ connecto Force® 310 , P /GA DB-15 co tX 10, NVIDIA | 1GB), one analog or, supports dual in Cle x16 adapter, 5 nnector, one Displ PureVideo®, NVII | VGA DB-15 ndependent 512MB, ayPort conr DIA CUDA™ | display nector, | • So op op ca | ecurity otional l able) ower-or | chip (see slot (in re Kensingto n passwo | ear for at on® Micr rd | tachme | nt of |
| SATA disk SATA DVD±RW SATA Controller eSATA port Diskette drive Media reader | 250GB or 500GB, SATA Super Multi-Burner DL I Serial ATA, SATA 3.0Gb, two SATA connectors for None None None | OVD±RW SATA s, integrated in | 1.5Gb/s Drive chipset, | | | • B | oot seq oot with erial po | k passwo luence co nout keyb ort I/O cor al USB po | ntrol oard and ntrol | | е |
| Chipset | Intel Q57 Express Chip Platform Controller Hub SMSC® SCH5147 Supe | (PCH) for PCI, | , ethernet, and US | В, | | | | | | | |
| Internal connector Audio Speaker Ethernet | Two USB 2.0, microphon Six USB 2.0, serial (9-pi Line-in (stereo, 3.5mm), Two USB 2.0 planar cor High Definition (HD) Aud Internal speaker for bus One gigabit ethernet po | ne (stereo, 3.5in), ethernet (R line-out (stere n (1 used; one dio, Realtek® A ness audio | NJ-45), monitor (VC o, 3.5mm), microp open for media re LC662 codec | A DB-15, I hone-in (ste ader or 2 re | DisplayPort ereo, 3.5mm | rts) • EP • EN • GF • Ro | PEAT™ IERGY REENG HS-cor | nvironme Gold ratir STAR® 5 iUARD® c mpliant hinkVanta | ng .0-comp ertified | oliant | 20 |
| Intel AMT Modem Security chip | None None STMicroelectronics ST1 | 9NP18 Trusted | d Platform Module | (TPM), | | Supp | 30115 11 | Limited | | | <i></i> |
| Keyboard Mouse Power supply | TCG 1.2-compliant Preferred Pro USB Keyk Optical Wheel Mouse (L 240 watts with 85% effic | SB connector) |), black, Lenovo lo | go | | <i>⇒</i> <i>⇒</i> (| nternat Custom parts of | oarts and tional War ner Replac nly (with lected part | rranty Sceable Ulimited o | Init (CR onsite s | |
| through downg Windows 7 Pro Professional 32 Preloaded applid Rescue and Re Client Security ThinkVantage F ThinkVantage F Lenovo System Norton™ Intern Adobe® Readel Adobe Flash® F Skype™ for Wir Microsoft® Offic Corel® Burn.No | Professional preinstalled rade rights in Genuine fessional (with Windows Precovery DVD) cations ⁵ (only some lister ecovery Productivity Center System Update Power Manager in Toolbox et Security 2009 (30-day Player indows et 2007 Trial (60-day) ow Mill (DVD±RW) rieFactory® (DVD±RW) | 2GB PC3-1 7 500GB SAT 1TB SATA 3 Super Mulio DisplayPort DisplayPort NVIDIA Gel NVIDIA Qua More acces Acc Guide i | 98 0600 DDR3 UDIM 0600 DDR3 UDIM 0600 DDR3 UDIM 7A 3.0Gb/s Disk (7200 -Burner DL DVD±I 1 to Single-link DVI-I 2 to VGA Monitor C Force 512MB 310 adro® 512MB FX3 2 sories on O-M90 s 2 in pdf lenovo.com 2 ssories at lenovo. | M 200 rpm) 0 rpm) RW SATA D D Cable able (DP, VGA) 80 LP (DP, I sheet | 45J79 ⁻ 57Y43 57Y43 DVI) 57Y43 esguide | 89 90 90 90 18 820 15 93 97 96 | next bu Onsite : (in eligi | ri coverage siness da service up ble locati ur LOR 9x kPlus™ part LOR 24 kPlus part LOR 9x kPlus part ur LOR 24 kPlus part lus service com/think arranty mas available x 7 day¹⁴ the warra | y respo pgrade ons): ⁷ 5, 4 hou number 5, Next I number 5, 4 hou number x7, 4 ho number es at plus/war e toll-free nty peri | r response time options r responser 41C919 41C919 41C919 41C919 41C919 41C919 41C919 41C919 41C919 41C919 41C919 | nse 192) onse 33) s Day 44) nse 95) onse |

| S Type-model | lot x bay | Processor | GHz | Cores | Memory ⁸ | SATA disk | SATA optical | Graph | ics | Monitor conn | ENERGY STAR 5.0 | Intel vPro | Win7 preload | Global Educ | Avail date |
|---|---|--|--|--|---|---|--|--|----------------------|---|---|--|--|---|---|
| 3245-B3U 2 | 2x3 2x3 2x3 | Core i3-530 Core i3-530 Core i5-750 | 2.93 2.93 2.66 | 2 2 4 | 2GB 4GB 3GB | 250GB ² 320GB 500GB | DVD±RW DVD±RW DVD±RW | Intel I Intel I 310 | | VGA, DP VGA, DP VGA, DP | ES50 ES50 ES50 | None None None | Pro 32 Pro 64 Pro 32 | None None None | Mar 10 Mar 10 Mar 10 |
| | • | The most power These small are These models | nd medi | um bus | siness (Šl | MB) mode | | | | | | | | | |
| Positioning Processor | | Ultimate securintel® Core™ i: Hyper-Threadin 1333MHz dual Intel Core i5 P Intel 64, Virtua (up to 3.20 GH dual-channel D | 3 Procest Process It at ma | essor i nology el DDR or i5-7 Techno x turbo emory | 3-530 with y Virtualiza 3 memory 750 with q ology, Turk o mode), in controller | n dual-cor ation Tech y controlle uad-core, oo Boost T ntegrated | re, Intel 64, nology, integ r, 4MB cache echnology 1333MHz | rated | Bay Bay | (① 5.25", (② 3.5", (③ 3.5", | 1" high, r .5" high, a | access, no acces access, | std open (| k reader) | |
| Implementati Memory | ion | Processor in Lo 2GB, 3GB, or PC3-10600 13 Italics: sta Non-italics: sta | 4GB sto 33MHz ndard r | d, 8GB DDR3 nemor | max, UD , four 240 | -pin DIMM ockets; two | o sockets ava | | • Bi • 12 • 31 | t 1: Low Pr t 2: Low Pr usiness bla 2.5" W X 14 17mm W X 6.5 lb (7.5 l | ofile, 32-bi ack color; r 4.0" D X 3. 355mm D | t PCI 2. netal ca .9" H .X 99mi | 3 se m H | |) |
| Graphics | | 179 one one sup | es main 59MB [- e analo e Displa ports o | memo 4GB m g VGA ayPort™ lual inc | ory (up to odels]), DB-15 co connect dependent | 765MB [2] nnector, or, t display | CP, DirectX® GB models], ss® 2.0 x16 a | | • To • To • To • To | polless covolless disk polless ada polless sys ystem floor | er flips up | and tilts rive rem tion retentic vertical | backward noval on | l on rear | hinges |
| DP dongle | | one | e analo | g VGA | DB-15 co | nnector, o | ne DisplayPo o®, NVIDIA (| ort con | necto | or, | Securit | y chip (y slot (i | see inform n rear for a ngton® Mic | attachme | nt of |
| SATA disk SATA DVD±F SATA Contro eSATA port Diskette drive Media readel | ller e | 250GB, 320GE Super Multi-Bu Serial ATA, SA' two SATA conn None None None | rner DL TA 3.0G | DVD± | RW SATA tegrated in | 1.5Gb/s n chipset, | | | | | cable) Power- Hard d Boot se Boot w Serial | on passisk passequence ithout keep to the contract of the cont | sword sword e control eyboard ai | nd mous | |
| Chipset | · | Intel Q57 Expr Platform Contro SMSC® SCH51 | oller Hu | ıb (PCI | H) for PCI | , ethernet, | and USB, | | | | - marria | uai 002 | port diodi | oromoni | |
| Audio Speaker Ethernet | | Two USB 2.0, s Six USB 2.0, s Line-in (stereo, Two USB 2.0 p High Definition Internal speake One gigabit eth | microph erial (9- 3.5mm lanar co (HD) A er for bu | one (s pin), e n), line- onn (1 udio, F usiness | thernet (Fout (stere used; one Realtek® A audio | RJ-45), mo o, 3.5mm) o open for LC662 co | nitor (VGA D , microphon media reade dec | B-15, [e-in (ste | Displa ereo, | 3.5mm) | • EPEAT | M Gold i Y STAF IGUAR[| R® 5.Ö-com D® certified | pliant | |
| Intel AMT Modem Security chip |) | None None STMicroelectro | | Γ19NP | 18 Trusted | d Platform | Module (TP | M), | | | Supports | | antage® te | | es |
| Keyboard Mouse Power supply | v | Preferred Pro U Optical Wheel 240 watts with | JSB Ke Mouse | (USB d | connector |), black, Le | enovo logo | • | | ŭ | □ Intern □ Custo | r parts a ational mer Re | ted Warra and labor Warranty S placeable | - Service ⁹ Unit (CR | |
| - Some: Gere Properties of Pr | enuin rofess enuin rofess applid) nd Re I Mana tage S tage I Intern of viru leash® F or Wir ® Office Irn.No | ager System Update Ower Manager Foolbox et Security 2009 s definitions) Player | 9 O-day) | 10 20 50 11 8 7 D N N M | GB PC3-1 DOGB SAT TB SATA Cuper Multi isplayPort isplayPort VIDIA Ge VIDIA Quore acces cc Guide i | 0600 DDF 0600 DDF A 3.0Gb/s 3.0Gb/s Di -Burner D to Single to VGA M Force 512 adro® 512 ssories on in pdf leno | R3 UDIMM R3 UDIMM s Disk (7200 r isk (7200 | n) SATA D Sable (VGA) P (DP, et | DVI) | 45J7915 57Y4393 57Y4397 57Y4396 de | for se Mon - next b was a say (The say | lected price to the control of the c | ninkplus/wa y maintena lable ay ¹⁴ toll-fre arranty pei | n - 5 pm, uding ho onse time options ur respo ber 41C91 Busines er 41C915 ur respo er 41C915 ur respo er 41C915 er 41C915 er 41C915 er 41C915 er 41C915 er 41C915 er 41C915 er 41C915 er 41C915 er 41C915 | nse 192) oonse 33) ss Day 94) nse 95) oonse |

| Slot | | | NERGY Intel Recovery Global Avai |
|---|---|--|--|
| Type-model bay 3246-A1U 4x4 | Processor GHz Cores Memory® disk Bay optical Graphi Pentium G6950 2.80 2 2GB 250GB² None DVD±RW Intel® | | TAR 5.0 vPro Preload DVD Educ date ES50 None XP Pro Pro 32 None Feb 10 |
| 3246-A2U 4x4 | Core i3-530 2.93 2 2GB 250GB None DVD±RW Intell Core i5-750 2.66 4 3GB 500GB None DVD±RW 310 The most powerful, stable, and manageable desktop with next gene These small and medium business (SMB) models are part of the US These models have a 3-year limited warranty | ID VGA, DP I VGA, DP I ration Intel pla | ES50 None XP Pro Pro 32 None Feb 10 ES50 None XP Pro Pro 32 None Feb 10 atform |
| Positioning Processor | Ultimate security, stability, and manageability for the enterprise Intel® Pentium® Processor G6950 with dual-core, Intel 64, Virtualization Technology, integrated 1066MHz dual-channel DDR3 memory controller, 3MB cache or Intel Core™ i3 Processor i3-530 with dual-core, Intel 64, Intel Hyper-Threading Technology, Virtualization Technology, integrated 1333MHz dual-channel DDR3 memory controller, 4MB cache or Intel Core i5 Processor i5-750 with quad-core, Intel 64, Virtualization Technology, Turbo Boost Technology (up to 3.20 GHz at max turbo mode), integrated 1333MHz dual-channel DDR3 memory controller, 8MB cache Processor in LGA1156 socket | 6.9" W X 17 175mm W X 24.2 lb (11. Handle on t Power butto Toolless co Tilted front Toolless dis Toolless ad | on on top handle ver removal I/O for easy access sk, optical drive removal lapter retention |
| Memory | 2GB or 3GB std, 8GB max, UDIMM, PC3-10600 1333MHz DDR3*, four 240-pin DIMM sockets; Italics: standard memory in two sockets; two sockets available; Non-italics: standard memory in one socket; three sockets available * System automatically clocks down for processors with 1066MHz | Bay ② 5.25", Bay ③ 3.5", Bay ④ 3.5", Slot 1: half-le | 1" high, no access, std disk ength,full-height, PCIe 2.0 x16 (75w max) |
| Graphics | DDR3 memory controller A1U/A2U: Intel HD Graphics in processor, HDCP, DirectX® 10**, uses main memory (up to 1GB), | Slot 3: half-le Slot 4: half-le | ength,full-height, PCIe 2.0 x1 ength,full-height, 32-bit PCI 2.3 ength,full-height, 32-bit PCI 2.3 |
| | one analog VGA DB-15 connector, one DisplayPort™ consupports dual independent display A9U: NVIDIA® GeForce® 310, PCI Express® 2.0 x16 adapter, 5 one analog VGA DB-15 connector, one DisplayPort conned DBCP, DirectX 10, NVIDIA PureVideo®, NVIDIA CUDA™, ** DirectX 10 is only available with Windows Vista and later | 12MB, ector, | Security • Security chip (see information on left) • One lock to secure both cover and entire system to fixed object: - Padlock loop (in rear for opt padlock) |
| DP dongle | None | | - Security slot (in rear for optional Kensington® MicroSaver® cable) |
| SATA disk SATA DVD±RW SATA Controller eSATA port Diskette drive Media reader | 250GB or 500GB, SATA 3.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s, integrated in chipset, three SATA connectors for disk and optical None None None | | Power-on password Hard disk password Boot sequence control Boot without keyboard and mouse Serial port I/O control Individual USB port disablement |
| Chipset | Intel Q57 Express Chipset Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O | | Environmental Features |
| | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5m Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (ster Two USB 2.0 planar conn (1 used; one open for media reader or 2 re High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio One gigabit ethernet port, Intel 82578DM, Wake on LAN® None None STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant | reo, 3.5mm) | Supports ThinkVantage® technologies Limited Warranty¹ 3-year parts and labor International Warranty Service® Customer Replaceable Unit (CRU) |
| Keyboard Mouse Power supply | Preferred Pro USB Keyboard (USB connector), 104-key, black, Leno Optical Wheel Mouse (USB connector), black, Lenovo logo 280 watts with variable speed fan, autosensing, 85% PSU | vo® logo | parts only (with limited onsite service for selected parts ³ , 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) |
| through down Windows 7 P Professional 3 Preloaded app Rescue and F Client Securit ThinkVantage ThinkVantage ThinkVantage Lenovo Syste Norton™ Inte Adobe® Read Microsoft® Of Corel® Burn.N | Professional preinstalled grade rights in Genuine ofessional (with Windows 7 2 Recovery DVD) **Cations** (only some listed) ecovery™ **Solution™ Productivity Center System Update Power Manager no Toolbox net Security 2009 (30-day) er* ce 2007 Trial (60-day) ow™ (DVD±RW) vieFactory** (DVD±RW) **IGH PC3-10600 DDR3 UDIMM 2GB PC3-10600 DDR | 45J7915 57Y4393 57Y4397 sguide | Onsite service upgrade options (in eligible locations): 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ThinkPlus part number 41C9196) ThinkPlus services at lenovo.com/thinkplus/warranty Post warranty maintenance services available 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 |

| | Slot x bay | Processor | GHz | Cores | Memory ⁸ | SATA disk | 2nd Disk Bay | | Graphics | | ENERGY STAR 5.0 | | Win7 preload | Global Educ | Avail date |
|---|---|--|---|--|---|---|--|---|--|--|--|--|--|---|---|
| 3246-B1U 3246-B2U 3246-B4U | 4x4 4x4 4x4 | Core i3-530 Core i5-750 Core i3-530 | 2.93 2.66 2.93 | 2 4 2 | | 250GB ² 500GB 320GB | None | DVD±RW DVD±RW DVD±RW | 310 | VGA, DF | P ES50 | None None None | Pro 32 Pro 32 Pro 64 | | Mar 10 Mar 10 Mar 10 |
| | • | The most po These small a These model | and med | ium bus | siness (Šī | MB) mod | | | | | | | | | |
| Positioning Processor | tion | Ultimate sect Intel® Core™ Intel® Core™ Intel 64, Intel Virtualization DDR3 memo Intel Core i5 Intel 64, Virtu (up to 3.20 G dual-channel Processor in | i3 Procesty Process alization Hz at ma | essor i: hreadir ogy, inte oller, 4M sor i5-7 Techno ax turbo nemory | 3-530 with a Technology Technology Technology Technology Turk a mode), i controlled | h dual-cology, 333MHz or uad-cologo ntegrate | core, dual-chaire, t Technolo d 1333MF | nnel | • 6.9" \ • 175m • 24.2 • Hand • Powe • Toolle • Tilted | N X 17.4' Im W X 4 Ib (11.0 k Ile on top or button class cover I front I/O | on top han removal for easy a | " H (414mr configu adle access | n H ration | optica ② ③ disk | |
| Memory | шоп | 2GB, 3GB, o PC3-10600 1 | r 4GB st 333MHz tandard | d, 8GB DDR3 memory | max, UD , four 240 y in two s | -pin DIM ockets; t | wo socket | s available | • Toolle | ess adapt 5.25", 1. | optical driviter retention 6" high, au 6" high, au | on ccess, | std opt | tical | |
| Graphics | | 17 or or st <i>B2U</i> : N ' | ses main 759MB [4 ne analog ne Displa upports o VIDIA® (12MB, or | memon 4GB mon g VGA I ayPort™ dual inde geForce ne analo | ry (up to 7 odels]), DB-15 con connecto ependent e® 310 , P og VGA D | 765MB <i>[</i> nnector, or, display CI Expre 0B-15 co | ess® 2.0 x1 | els], 16 adapter, one Display | Bay ③ Bay ④ Slot 1: Slot 2: Slot 3: Slot 4: Port conn | 3.5", 1' 3.5", 1' half-leng half-leng half-leng hector, | high, a | ccess, o acces ght, PCI ght, PCI ght, 32-b ght, 32-b | open (s, std dis e 2.0 x16 e 2.0 x1 bit PCI 2. bit PCI 2. | 3 (75w m | ĺ |
| DP dongle SATA disk SATA DVD±I SATA Contro | | None 250GB, 320C Super Multi-E Serial ATA, S three SATA co | B, 320GB, or 500GB, SATA 3.0Gb/s 7200 rpm r Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive l ATA, SATA 3.0Gb/s, integrated in chipset, SATA connectors for disk and optical | | | | | | | Security One lock entire sys - Padlock - Security Kensin | chip (se to secu stem to k loop (i y slot (ir | ire both o fixed obj n rear foi | cover an ect: r opt pac optiona | d dlock) I | |
| eSATA port Diskette driv Media reade Chipset | | Platform Con | one one | | | | | | | • | Power-or Hard disl Boot seq Boot with Serial po Individua | n passw k passw luence c nout key ort I/O co | ord ord control board an ontrol | nd mous | |
| Audio Speaker | | Two USB 2.0 Six USB 2.0, Line-in (stere Two USB 2.0 High Definitio Internal spea | o USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm) t USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, Di e-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo o USB 2.0 planar conn (1 used; one open for media reader or 2 really Definition (HD) Audio, Realtek® ALC662 codec ernal speaker for business audio | | | | | | | ort) mm) ports) | | nvironn Gold rat STAR® UARD® | nental Fe ting 5.0-com | eatures | |
| Ethernet Intel AMT Modem Security chip | p | One gigabit e None None STMicroelect TCG 1.2-com | ronics S | | | · | | | | | Supports T | Limite | d Warra | | es |
| Keyboard Mouse Power suppl | ly | Optical Whee | | | | | | | | InternalCustomparts of | tional W ner Repl nly (with | arranty S | Unit (CR onsite s | ervice | |
| - Some: GP Some: GP Some: GP- Preloaded - Rescue a - Password - ThinkVan - ThinkVan - ThinkVan - Norton™ (30 days - Adobe® F - Adobe FI: - Skype™ f - Microsoft - Corel® Bu | ienuini rofess ienuini rofess applid) and Red d Mana itage S itage T Intern of viru Readel ash of F for Wiri | ager System Update Ower Manage Toolbox et Security 20 s definitions) Player | Ses; onl | 10 20 50 11 20 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | GB PC3-1 DOGB SAT B SATA: uper Mult splayPori splayPori VIDIA Ge ore acces cc Guide | 10600 D 10600 D TA 3.0Gb/s 3.0Gb/s i-Burner t to Sing t to VGA Force 5 ssories o in pdf le | le-link DVI Monitor C 12MB 310 on O-M90 novo.com | MM 200 rpm) 0 rpm) :RW SATA I-D Cable Cable ((DP, VGA) | 57Y 43F 45J Drive 41N 45J 57Y 57Y | 7918 15620 7915 4393 4397 | next bu Onsite : (in eligi · 3-yea (Thinl · 3-yea (Thinl · 4-yea (| siness of service by le location to LOR 9 of kPlus in LOR 2 of kPlus pair LOR 9 of kPlus pair LOR 2 of kPl | tions):7 x5, 4 hou out to make the control of the c | onse tim options or respo oer 41C9 our respo r 41C918 Busines r 41C919 our respo r 41C919 rranty nce | nse 192) onse 93) is Day 94) nse 95) onse |

| Type-mode | Slot x l bay | Processor | Max Turb GHz | | Memory | SATA disk | | Integrated graphics | | Preload | Recovery DVD | Global Educ | Avail date |
|------------------------|-----------------|-------------|-----------------|---|--------|--------------|------------------|---------------------|--|---------|-----------------|----------------|---------------|
| 3257-A1U ≈ 3257-A2U | | Core i5-650 | 3.46 3.60 | 2 | | | DVD±RW DVD±RW | | | | | | |

- Next generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- Most manageable ThinkCentre ever: supports Lenovo Secure Managed Client version 2.0°
 These small and medium business (SMB) models are part of the US TopSeller™ Program

| Positioning Processor | | and manageability for the enterprise | Eco Ultra Sn | nall optical disk | | | | |
|---|--|--|--|---|--|--|--|--|
| Implementation | Intel 64, Hyper-Threading | | Day @ 5.05# | | | | | |
| Memory | 3GB std, 4GB max, PC3- two 204-pin SODIMM soci | 10600 1333MHz DDR3, | Bay ② 3.5", Slot 1: Low P | 1.6" high, access, std optical 1" high, no access, std disk rofile, 32-bit PCI 2.3 | | | | |
| Graphics DP dongle | uses main memory (up to one analog VGA DB-15 co supports dual independen | nnector, one DisplayPort™ connector, | • 11.0" W X 9 • 279mm W > • 9.2 lb (4.2 k • Hinged tool • Toolless dis | ack color; metal case 1.4" D X 3.1" H C 238mm D X 79mm H Ig) in maximum configuration less cover for easy serviceability k and optical drive removal control for control control to the control of | | | | |
| SATA disk | 500GB , SATA 3.0Gb/s 720 | | • System floo | floor stand for vertical orientation | | | | |
| SATA DVD±RW SATA Controller eSATA port Diskette drive Media reader | Super Multi-Burner DL DV Serial ATA, SATA 3.0Gb/s, two SATA connectors for d None None None | | | Security Security chip (see information on left) Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) Power-on password | | | | |
| Chipset | Intel Express Q57 Chips | PCH) for PCI, ethernet, and USB, | | Hard disk password Boot sequence control Boot without keyboard and mouse | | | | |
| Front ports Rear ports Rear audio ports Audio Speaker | Six USB 2.0, ethernet (RJ Line-in (stereo, 3.5mm), lin High Definition (HD) Audio Internal speaker for busine | ess audio | , | Individual USB port disablement | | | | |
| Ethernet Intel AMT Modem Security chip | Intel Active Management T None | Intel 82578DM, Wake on LAN® Fechnology 6.0 (Intel AMT 6.0) | | Environmental Features • EPEAT™ Gold rating • ENERGY STAR® 5.0-compliant • GREENGUARD® certified • RoHS-compliant | | | | |
| Keyboard Mouse Power supply | Optical Wheel Mouse (US | ard (USB connector), 104-key, black, Lend B connector), black, Lenovo logo I 30 watts, autosensing, 87% PSU | ovo® logo | Supports ThinkVantage® technologies | | | | |
| Preloaded opera | ating system ²⁰ | Accessories | | Limited Warranty ¹ | | | | |
| - Windows® XP through downg Windows 7 Prc Professional 3: Preloaded appli • Rescue and Reclient Security • ThinkVantage • ThinkVantage • Lenovo Systen Norton™ Interr (30 days of vir • Adobe® Reade • Adobe Flash® • Skype™ for Wi Microsoft® Offie • Corel® Burn.N€ | Professional preinstalled grade rights in Genuine ofessional (with Windows 7 2 Recovery DVD) cations⁵ (only some listed) ecovery™ Solution™ Productivity Center System Update Power Manager In Toolbox Set Security 2009 Jus definitions) Jur® Player Indows Ce 2007 Trial (60-day) Dw™ (DVD±RW) VieFactory® (DVD±RW) | 500GB SATA 3.0Gb/s Disk (7200 rpm) 1TB SATA 3.0Gb/s Disk (7200 rpm) Super Multi-Burner DL DVD±RW SATA ID DisplayPort to Single-link DVI-D Cable DisplayPort to VGA Monitor Cable Lenovo Vertical PC and Monitor Stand II ThinkCentre Ultra Small Under Desk Mon More accessories on O-M90 sheet Acc Guide in pdf lenovo.com/accessorie Other accessories at lenovo.com/accessories | 45J7915 57Y4393 41R4474 unt 40Y8625 esguide | | | | | |

services available 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378

| Type-model | Slot x bay | Processor | Base GHz | Max Turbo GHz | | Memory ⁸ | SATA disk | | Integrated graphics | Monitor conn | ENERGY STAR 5.0 | Intel vPro | | Global Educ | |
|------------|---------------|-------------|-------------|------------------|---|---------------------|--------------------|--------|---------------------|--------------|--------------------|---------------|--------|----------------|--------|
| 3257-A5U | 1x2 | Core i5-650 | 3.20 | 3.46 | 2 | 3GB | 500GB ² | DVD±RW | Intel HD | VGA, DP | ES50 | vPro | Pro 32 | None | Mar 10 |

- Next generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
 Most manageable ThinkCentre ever: supports Lenovo Secure Managed Client version 2.0*
 This small and medium business (SMB) model is part of the US TopSeller™ Program

- This model has a 3-year limited warranty

| ~ | For more in | formation (| on Lenovo | Secure | Managed | Client, | see | lenovo.com/ac | С |
|---|-------------|-------------|-----------|--------|---------|---------|-----|---------------|---------------|
| - | | | | | | | | | $\overline{}$ |

| Positioning Processor | Ultimate security, stability, and manageability for the enterprise Intel® Core™ i5 Processor i5-650 with dual-core, Intel 64, Hyper-Threading Technology, Turbo Boost Technology, Virtualization Technology, TXT, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache Processor in LGA1156 socket | Eco Ultra Sn | optical disk | | | | |
|---|--|--|--|--|--|--|--|
| Memory | 3GB std, 4GB max, PC3-10600 1333MHz DDR3, two 204-pin SODIMM sockets (notebook); Italics: standard memory in both sockets; no sockets available | Bay ② 3.5", 1" high, no access, std disk Slot 1: Low Profile, 32-bit PCI 2.3 | | | | | |
| Graphics DP dongle | Intel HD Graphics in processor, HDCP, DirectX® 10, uses main memory (up to 1277MB), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display None | • 11.0" W X 9 • 279mm W > • 9.2 lb (4.2 k • Hinged tool • Toolless dis | ack color; metal case 1.4" D X 3.1" H C 238mm D X 79mm H cg) in maximum configuration less cover for easy serviceability k and optical drive removal or stand for vertical orientation | | | | |
| SATA disk SATA DVD±RW SATA Controller eSATA port Diskette drive Media reader | 500GB, SATA 3.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s, integrated in chipset, two SATA connectors for disk and optical None None None | • System noo | Security • Security chip (see information on left) • Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) | | | | |
| Chipset | Intel Express Q57 Chipset, Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O | | Power-on password Hard disk password Boot sequence control Boot without keyboard and mouse | | | | |
| Front ports Rear ports Rear audio ports Audio Speaker Ethernet | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5m Six USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, DisplayPort) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stellight Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio One gigabit ethernet port, Intel 82578DM, Wake on LAN® | , | Individual USB port disablement | | | | |
| Intel AMT Modem Security chip | Intel Active Management Technology 6.0 (Intel AMT 6.0) None STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant | | Environmental Features • EPEAT™ Gold rating • ENERGY STAR® 5.0-compliant • GREENGUARD® certified | | | | |
| Keyboard Mouse | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenc Optical Wheel Mouse (USB connector), black, Lenovo logo | vo® logo | • RoHS-compliant | | | | |
| Power supply | External AC/DC adapter, 130 watts, autosensing, 87% PSU | | Supports ThinkVantage® technologies | | | | |

Genuine Windows® 7 Professional 32

Preloaded applications⁵ (only some listed) • Rescue and Recovery[™]

- Password Manager
- ThinkVantage System Update ThinkVantage Power Manager
- ThinkVantage Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)

Accessories

500GB SATA 3.0Gb/s Disk(7200 rpm) 43R1990 1TB SATA 3.06b/s Disk (7200 rpm) 45J7918 Super Multi-Burner DL DVD±RW SATA Drive 41N5620 DisplayPort to Single-link DVI-D Cable
DisplayPort to VGA Monitor Cable
Lenovo Vertical PC and Monitor Stand II 45J7915 57Y4393 41R4474 ThinkCentre Ultra Small Under Desk Mount 40Y8625 More accessories on O-M90 sheet

Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories

- 3-year parts and labor
- International Warranty Service⁹
 Customer Replaceable Unit (CRU)
- parts only (with limited onsite service for selected parts3, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)
- Onsite service upgrade options (in eligible locations):7
 - 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192)
 - 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193)
 - 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) 4-year LOR 9x5, 4 hour response
 - (ThinkPlus part number 41C9195) 4-year LOR 24x7, 4 hour response
- (ThinkPlus part number 41C9196) ThinkPlus services at
- lenovo.com/thinkplus/warranty
- Post warranty maintenance services available
 - 24 hour x 7 day14 toll-free support during the warranty period via 800-426-7378

| - | Type-model | Slot x bay | Processor | Max Turbo GHz | | Memory ⁸ | SATA disk | | Integrated graphics | | | | | Recovery DVD | Global Educ | |
|---|------------|---------------|----------------------------|------------------|--------|---------------------|-----------------------------|------------------|----------------------|--------------------|--------------|--------------|------------------|------------------|----------------|------------------|
| | | | Core i5-650 Core i5-660 | | 2 2 | 3GB 3GB | 500GB ² 500GB | DVD±RW DVD±RW | Intel HD Intel HD | VGA, DP VGA, DP | ES50 ES50 | vPro vPro | XP Pro XP Pro | Pro 32 Pro 32 | None None | Feb 10 Feb 10 |

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- Most manageable ThinkCentre ever: supports Lenovo Secure Managed Client version 2.0
- These small and medium business (SMB) models are part of the US TopSeller™ Program
- · These models have a 3-year limited warranty

| * For more information | ation on Lenovo Secure Managed Client, see lenovo.com/acc | | |
|---|--|---|---|
| Positioning Processor | Ultimate security, stability, and manageability for the enterprise Intel® Core™ i5 Processor i5-650 or i5-660 with dual-core, Intel 64, Hyper-Threading Technology, Turbo Boost Technology, Virtualization Technology, TXT, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache Processor in LGA1156 socket | Small Bay ① 5.25", Bay ② 3.5" | optical disk (in rear) 1.6" high, access, std optical 1" high, no access, std disk |
| Memory | 3GB std, 8GB max, UDIMM, PC3-10600 1333MHz DDR3, four 240-pin DIMM sockets; Italics: standard memory in two sockets; two sockets available; | Bay 3 3.5", Slot 1: Low Pr | .5" high, access, open (reader) ofile, PCI Express 2.0 x16 (75w max) ofile, 32-bit PCI 2.3 |
| Graphics DP dongle | Intel HD Graphics in processor, HDCP, DirectX® 10**, uses main memory (up to 1GB), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display ** DirectX 10 is only available with Windows Vista and later None | 12.5" W X 1 317mm W X 16.5 lb (7.5) Toolless cov | ack color; metal case 4.0" D X 3.9" H (355mm D X 99mm H kg) in maximum configuration ver flips up and tilts backward on rear hinges k, optical drive removal |
| SATA disk SATA DVD±RW SATA Controller | 500GB, SATA 3.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s, integrated in chipset, | Toolless adaToolless sys | pter retention item board retention r stand for vertical orientation |
| eSATA port Diskette drive Media reader | two SATA connectors for disk and optical None None None | | Security • Security chip (see information on left) • Security slot (in rear for attachment of |
| Chipset | Intel Q57 Express Chipset Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O | | optional Kensington® MicroSaver® cable) • Power-on password • Hard disk password |
| Front ports Rear ports Rear audio ports Internal connector Audio Speaker Ethernet | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5m Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, D Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (ster Two USB 2.0 planar conn (1 used; one open for media reader or 2 re High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio One gigabit ethernet port, Intel 82578DM, Wake on LAN® | isplayPort) reo, 3.5mm) | Boot sequence control Boot without keyboard and mouse Serial port I/O control Individual USB port disablement |
| Intel AMT Modem | Intel Active Management Technology 6.0 (Intel AMT 6.0) None | | Environmental Features |
| Security chip | STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant | | • EPEAT™ Gold rating • ENERGY STAR® 5.0-compliant • GREENGUARD® certified |
| Keyboard Mouse | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenov Optical Wheel Mouse (USB connector), black, Lenovo logo 240 watts with 85% efficiency, auto-sensing, active Power Factor Con | Ü | • RoHS-compliant |
| Power supply | Supports ThinkVantage® technologies | | |
| Preloaded opera | ating system ²⁰ Accessories | | Limited Warranty ¹ |

Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional (with Windows 7 Professional 32 Recovery DVD)

Preloaded applications⁵ (only some listed)

- Rescue and Recovery™
 Client Security Solution™
- ThinkVantage Productivity Center
- ThinkVantage System Update ThinkVantage Power Manager
- Lenovo System Toolbox Norton™ Internet Security 2009
- (30 days of virus definitions)
- Adobe® Reader® Adobe Flash® Player Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day) Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW) Corel WinDVD® (DVD±RW)

Accessories

1GB PC3-10600 DDR3 UDIMM 57Y4389 2GB PC3-10600 DDR3 UDIMM 57Y4390 500GB SATA 3.0Gb/s Disk(7200 rpm) 43R1990 1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918 Super Multi-Burner DL DVD±RW SATA Drive 41N5620 DisplayPort to Single-link DVI-D Cable 45J7915 DisplayPort to VGA Monitor Cable 57Y4393 NVIDIA® GeForce® 512MB 310 (DP, VGA) 57Y4397 NVIDIA Quadro® 512MB FX380 LP (DP, DVI) 57Y4396 More accessories on O-M90 sheet

Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories

- 3-year parts and labor
- International Warranty Service⁹
 Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts3, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)
- Onsite service upgrade options (in eligible locations):
 - 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192)
 - 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193)
 - 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194)
 - 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195)
 - 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196)
- ThinkPlus services at lenovo.com/thinkplus/warranty
- Post warranty maintenance
- services available
- 24 hour x 7 day14 toll-free support during the warranty period via 800-426-7378

| Type-model | Slot x bay | Processor | Base I GHz | /lax Turbo GHz | | Memory ⁸ | SATA disk | SATA optical | Integrated graphics | | ENERGY STAR 5.0 | Intel vPro | Win7 preload | Global Educ | Avail date |
|------------|---------------|----------------------------|---------------|-------------------|---|---------------------|--------------|--------------|----------------------|--------------------|--------------------|---------------|------------------|----------------|------------------|
| | | Core i5-650 Core i5-650 | | 3.46 3.46 | 2 | 3GB 4GB | | | Intel HD Intel HD | VGA, DF VGA, DF | | vPro vPro | Pro 32 Pro 64 | | Mar 10 Mar 10 |

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- These small and medium business (SMB) models are part of the US TopSeller™ Program
- These models have a 3-year limited warranty

| * For more information on | Lenovo Secure Managed | I Client, see lenovo.com/acc |
|---------------------------|-----------------------|------------------------------|
| | | |

| T OF THOSE ITHOSTITE | ation on Lenovo occure ivianagea olient, see ienovo.com/acc | | |
|--|--|---|--|
| Positioning Processor Implementation Memory | Ultimate security, stability, and manageability for the enterprise Intel® Core™ i5 Processor i5-650 with dual-core, Intel 64, Hyper-Threading Technology, Turbo Boost Technology, Virtualization Technology, TXT, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache Processor in LGA1156 socket 3GB or 4GB std, 8GB max, UDIMM, PC3-10600 1333MHz DDR3, four 240-pin DIMM sockets; Italics: standard memory in two sockets; two sockets available | Bay ② 3.5", Bay ③ 3.5", Slot 1: Low Pr | optical disk (in rear) 1.6" high, access, std optical 1" high, no access, std disk .5" high, access, open (reader) ofile, PCI Express 2.0 x16 (75w max) ofile, 32-bit PCI 2.3 |
| Graphics DP dongle | Intel HD Graphics in processor, HDCP, DirectX® 10, uses main memory (up to 1277MB[3GB models], 1759MB[4GB models]), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display None | Business bla 12.5" W X 1 317mm W X 16.5 lb (7.5 Toolless cov Toolless disl | ack color; metal case 4.0" D X 3.9" H (355mm D X 99mm H kg) in maximum configuration rer flips up and tilts backward on rear hinges k, optical drive removal |
| SATA disk SATA DVD±RW SATA Controller | 320GB or 500GB , SATA 3.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s, integrated in chipset, | Toolless sys | apter retention tem board retention r stand for vertical orientation |
| eSATA port Diskette drive Media reader | two SATA connectors for disk and optical None None None | | Security Security chip (see information on left) Security slot (in rear for attachment of |
| Chipset | Intel Q57 Express Chipset Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O | | optional Kensington® MicroSaver® cable) • Power-on password • Hard disk password |
| Front ports Rear ports Rear audio ports Internal connecto Audio Speaker Ethernet | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5m Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, D Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (ster Two USB 2.0 planar conn (1 used; one open for media reader or 2 re High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio One gigabit ethernet port, Intel 82578DM, Wake on LAN® | isplayPort) reo, 3.5mm) | Boot sequence control Boot without keyboard and mouse Serial port I/O control Individual USB port disablement |
| Intel AMT | Intel Active Management Technology 6.0 (Intel AMT 6.0) | | Environmental Features |
| Modem Security chip | None STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant | | • EPEAT™ Gold rating • ENERGY STAR® 5.0-compliant • GREENGUARD® certified |
| Keyboard Mouse | Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenov Optical Wheel Mouse (USB connector), black, Lenovo logo | | • RoHS-compliant |
| Power supply | 240 watts with 85% efficiency, auto-sensing, active Power Factor Cor | rrection | Supports ThinkVantage® technologies |
| | | | |

- Some: Genuine Windows® 7 Professional 32 Some: Genuine Windows 7
- Professional 64

Preloaded applications⁵ (all OSes; only some listed)

- Rescue and Recovery[™]
- Password Manager
- ThinkVantage System Update ThinkVantage Power Manager
- ThinkVantage Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions)

- Adobe® Reader® Adobe Flash® Player Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day) Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)

Accessories

1GB PC3-10600 DDR3 UDIMM 57Y4389 2GB PC3-10600 DDR3 UDIMM 57Y4390 500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918 Super Multi-Burner DL DVD±RW SATA Drive 41N5620 DisplayPort to Single-link DVI-D Cable 45J7915 DisplayPort to VGA Monitor Cable 57Y4393 NVIDIA® GeForce® 512MB 310 (DP, VGA) 57Y4397 NVIDIA Quadro® 512MB FX380 LP (DP, DVI) 57Y4396 More accessories on O-M90 sheet

Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories

- 3-year parts and labor
- International Warranty Service⁹
 Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts3, 8 am - 5 pm, Mon - Fri coverage excluding holidays,
- next business day response time) Onsite service upgrade options (in eligible locations):
 - 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192)
 - 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) 4-year LOR 9x5, Next Business Day
 - (ThinkPlus part number 41C9194) 4-year LOR 9x5, 4 hour response
 - (ThinkPlus part number 41C9195) 4-year LOR 24x7, 4 hour response
- (ThinkPlus part number 41C9196) ThinkPlus services at
- lenovo.com/thinkplus/warranty
- Post warranty maintenance
- services available
- 24 hour x 7 day14 toll-free support during the warranty period via 800-426-7378

| Slot x | Base Max Turbo | | SATA Integ | grated Monitor I | | | | |
|--|---|---|---|--|---|--|--|--|
| | Core i5-650 3.20 3.46 | | | HD VGA, DP | STAR 5.0 vPro Preload DVD Educ date ES50 vPro XPPro Pro 32 None Feb 10 | | | |
| 3282-A2U 4x4 (| Most manageable Think | atform with latest Intel vPro Centre ever: supports Leno m business (SMB) models a | ™ Technology vo Secure Mai | and Intel Activ | ersion 2.0* | | | |
| * For more inform | ation on Lenovo Secure Ma | naged Client, see lenovo.c | om/acc | _ | | | | |
| Positioning Processor | Intel® Core™ i5 Processo Intel 64, Hyper-Threading | | • 6.9" W X 17 • 175mm W X | ack color; metal case 4" D X 16.3" H 442mm D X 414mm H 0 kg) in max configuration | | | | |
| Memory | 3GB std, 8GB max, UDIN four 240-pin DIMM socket | IM, PC3-10600 1333MHz D | | Handle on top front Power button on top handle Toolless cover removal Tilted front I/O for easy access | | | | |
| Graphics | supports dual independent * DirectX 10 is only available | 1GB), onnector, one DisplayPort™ | | • Toolless add Bay ① 5.25", Bay ② 5.25", Bay ③ 3.5", | k, optical drive removal apter retention 1.6" high, access, std optical 1.6" high, access, open 1" high, access, open (reader/diskette) 1" high, no access, std disk | | | |
| SATA disk SATA DVD±RW SATA Controller | None 500GB, SATA 3.0Gb/s 720 Super Multi-Burner DL DV Serial ATA, SATA 3.0Gb/s, three SATA connectors for | D±RW SATA 1.5Gb/s Drive integrated in chipset, | | Slot 2: half-le | ngth, full-height, PCIe 2.0 x16 (75w max) ngth, full-height, PCIe 2.0 x1 ngth, full-height, 32-bit PCI 2.3 ngth, full-height, 32-bit PCI 2.3 | | | |
| eSATA port Diskette drive Media reader | None None None | | | | Security Security chip (see information on left) One lock to secure both cover and | | | |
| Chipset | Intel Q57 Express Chips Platform Controller Hub (F SMSC® SCH5147 Super I | PCH) for PCI, ethernet, and | USB, | | entire system to fixed object: - Padlock loop (in rear for opt padlock) - Security slot (in rear for optional | | | |
| Front ports Rear ports Rear audio ports Internal connecto Audio Speaker Ethernet Intel AMT Modem | Six USB 2.0, serial (9-pin) Line-in (stereo, 3.5mm), lii r Two USB 2.0 planar conn High Definition (HD) Audio Internal speaker for busine One gigabit ethernet port, | | (VĜA DB-15, I rophone-in (sta a reader or 2 ro AN® | DisplayPort) ereo, 3.5mm) | Kensington® MicroSaver® cable) Power-on password Hard disk password Boot sequence control Boot without keyboard and mouse Serial port I/O control Individual USB port disablement Environmental Features ■ EPEAT™ Gold rating ■ ENERGY STAR® 5.0-compliant ■ GREENGUARD® certified | | | |
| Security chip Keyboard Mouse | TCG 1.2-compliant Preferred Pro USB Keybo | NP18 Trusted Platform Modu ard (USB connector), 104-ke B connector), black, Lenovo | ey, black, Lenc | vo® logo | | | | |
| Power supply | | eed fan, autosensing, 85% I | | | RoHS-compliant | | | |
| through downg Windows 7 Pro Professional 3: Preloaded applifier Rescue and Rescue and Rescue and Rescue and Rescurity ThinkVantage ThinkVantage ThinkVantage Lenovo System Norton™ Interr (30 days of virus Adobe® Reade Adobe Flash® Skype™ for Wis Microsoft® Offic Corel® Burn. No | Professional preinstalled grade rights in Genuine ofessional (with Windows 7 2 Recovery DVD) cations⁵ (only some listed) ecovery™ Productivity Center System Update Power Manager in Toolbox in the Security 2009 us definitions) er® Player indows ce 2007 Trial (60-day) ow™ (DVD±RW) vieFactory® (DVD±RW) | Accessories 1GB PC3-10600 DDR3 UE 2GB PC3-10600 DDR3 UE 500GB SATA 3.0Gb/s Disk 1TB SATA 3.0Gb/s Disk (73 Super Multi-Burner DL DVI DisplayPort to Single-link E DisplayPort to VGA Monito NVIDIA® GeForce® 512MB More accessories on O-MS Acc Guide in pdf lenovo.ce Other accessories at lenov | DIMM (7200 rpm) 200 rpm) 200 rpm) D±RW SATA D DVI-D Cable r Cable 310 (DP, VGA 00 sheet Dm/accessorie | 45J7915 57Y4393 57Y4397 esguide | Limited Warranty¹ 3-year parts and labor International Warranty Service³ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) Onsite service upgrade options (in eligible locations):² 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 41C9192) 3-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9193) 4-year LOR 9x5, Next Business Day (ThinkPlus part number 41C9194) 4-year LOR 9x5, 4 hour response (ThinkPlus part number 41C9195) 4-year LOR 24x7, 4 hour response (ThinkPlus part number 41C9196) ThinkPlus part number 41C9196) ThinkPlus services at lenovo.com/thinkplus/warranty Post warranty maintenance services available 24 hour x 7 day¹⁴ toll-free support | | | |

| Slot x Type-model bay | Processor | Base I GHz | Max Turb GHz | o Cores N | /lemory | 8 ATA | 2nd Dis Bay | k SATA optical | Integrated graphics | | ENERGY STAR 5.0 | | | Global Educ | Avai date |
|---|--|---|--|---|---|--|--|---|--|---|--|---|---|--|--|
| 3282-A8U 4x4 | Core i5-650 Core i5-650 | 3.20 | 3.46 3.46 | 2 2 | 3GB 4GB | 500GB 320GB | ² None | DVD±RW | • | VGA, DF | P ES50 | vPro | Pro 32 Pro 64 | None | Mar 10 Mar 10 |
| 202 010 444 | Next Gen Most mar These sm These mo | eration nageab nall and | n Intel pl le Think I mediui | latform Centre m busin | with la ever: s ness (S | test Inter supports MB) mod | l vPro™ 1 Lenovo | echnology Secure Ma | and Intel A | ctive Ma nt versio | anagemei n 2.0* | | | None | Wild TV |
| For more informa | ation on Lend | ovo Se | cure Ma | naged | Client, | see len | ovo.com | /acc | | | | | | | |
| Positioning Processor mplementation | Ultimate sei Intel® Core Intel 64, Hy Virtualizatio DDR3 mem Processor in | ™ i5 P i per-Th n Tech ory co | rocesso reading nology, ntroller, | r i5-65 Techno TXT, int and 4M | 0 with logy, To egrate | dual-co u urbo Boo d 1333N | 'e , ost Techn | ology, | Tower • Busines • 6.9" W > • 175mm • 24.2 lb (| (17.4" E W X 442 11.0 kg) | X 16.3" 2mm D X in max c | H 414m | m H | optica ② disk | |
| Memory Graphics | 3GB or 4GE four 240-pin Italics: | DIMN standa | l sockets ard mem | s; nory in t | • | | | Hz DDR3, available | HandlePower bToollessTilted froToolless | utton on cover re ont I/O fo disk, op | top hand emoval or easy ad otical drive | ccess e remo | oval | □••□ | |
| DP dongle | HDCP, Direction (up to 1277) one analog supports du None | ctX® 10 MB <i>[3G</i> VGA D |), uses r 3 <i>B mode</i> 3B-15 co | main me els], 175 onnecto | 69MB <i>[4</i> r, one l | | | nector, | • Toolless adapter retention Bay ① 5.25", 1.6" high, access, std optical Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, access, open (reade Bay ④ 3.5", 1" high, no access, std disk | | | | reader/c | diskette) | |
| SATA disk SATA DVD±RW SATA Controller | 320GB or 500GB, SATA 3.0Gb/s 7200 rpm Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Serial ATA, SATA 3.0Gb/s, integrated in chipset, three SATA connectors for disk and optical Slot 4: half-le | | | | | | lf-length lf-length lf-length | ength, full-height, PCIe 2.0 x16 (75w max) ength, full-height, PCIe 2.0 x1 ength, full-height, 32-bit PCI 2.3 ength, full-height, 32-bit PCI 2.3 | | | | | | | |
| eSATA port Diskette drive Media reader | None None None | | | | | | | | | | Security o | | ecurity | ation on | left) |
| Chipset | Intel Q57 Express Chipset Platform Controller Hub (PCH) for PCI, ethernet, and USB, SMSC® SCH5147 Super I/O | | | | | | One lock to secure both cover and entire system to fixed object: Padlock loop (in rear for opt padlock) Security slot (in rear for optional) | | | | nd dlock) | | | | |
| Front ports Rear ports Rear audio ports nternal connector Audio Speaker Ethernet ntel AMT Modem | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5 Six USB 2.0, serial (9-pin), ethernet (RJ-45), monitor (VGA DB-15, IS Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stor Two USB 2.0 planar conn (1 used; one open for media reader or 2 might be present the properties of the properties | | | | | DisplayPort ereo, 3.5mr |) m) orts) • E | Boot sequence control Boot without keyboard and mouse Serial port I/O control Individual USB port disablement | | | | | | | |
| Security chip Keyboard | None STMicroele TCG 1.2-co Preferred P | mplian | t | | | | | , ,, | Environmental Features • EPEAT™ Gold rating • ENERGY STAR® 5.0-compliant • GREENGUARD® certified | | | pliant | i | | |
| Mouse Power supply | Optical Whe | eel Mou | use (US | B conne | ector), | black, Le | enovo log | 10 | Wo logo | GHEENGUARD® certified RoHS-compliant Supports ThinkVantage® technologies | | | | ies | |
| - Some: Genuin | e Windows® ional 32 e Windows 7 ional 64 cations 6 (all ecovery Manager System Upda Power Manager Security 2 is definitions Player adows 2007 Trial ow M (DVD±R) | OSes; ate ger 2009) (60-da | y) | 2GB F 500GE 1TB S Super Displa Displa NVIDI More a | PC3-10 PC3-10 B SATA ATA 3.0 Multi-E yPort to yPort to access uide in | 600 DDF 600 DDF 3.0Gb/s 0Gb/s Di Burner D o Single- o VGA M Force® 5- ories on pdf lend | link DVI- lonitor Ca 12MB 31 O-M90 s | M 00 rpm) rpm) RW SATA D D Cable able 0 (DP, VG <i>P</i> | esguide | 90 90 90 90 90 90 90 90 90 90 90 90 90 9 | for select Mon - Fr next bus Onsite s (in eligib • 3-year (Think! • 3-year (Think! • 4-year (Think! • 4-year (Think! ThinkPlulenovo.c Post was services 24 hour: | arts arts arts on al Wer Rep ly (wit ted partice) is cove siness ervice older to Co. LOR: Plus™ LOR: Plus particon Plus particon Plus particon par | Varranty staceable h limited urts 3, 8 an rage excl day resp upgrade ations): 79x5, 4 ho part numbe 24x7, 4 hart numbe 24x7, 4 ho art numbe wices at numbelus/wamaintenable | Service ⁹ Unit (CF onsite s n - 5 pm; uding hoonse tim options ur responder 41C91: 41 | RU) service, folidays, ne) service folidays, ne) service folidays, ne) service folidays, ne) folidays, fol |

ThinkCentre® M90, M90p Accessories

Partial list of accessories supported on ThinkCentre M90 and

| nл | - | ~ | • | |
|-----|---|---|---|---|
| IVI | ш | n | u | ľ |

Eco Ultra Small 3244/3692/3257/3853/5296 use notebook memory. 1GB PC3-10600 DDR3 L-H SODIMM 55Y3709 ann 03/02/10 1GB PC3-10600 DDR3 L-H SODIMM (25Pack) 57Y4415 ann 03/02/10 2GB PC3-10600 DDR3 L-H SODIMM 55Y3710 ann 03/02/10 2GB PC3-10600 DDR3 L-H SODIMM (25Pack) 57Y4416 ann 03/02/10

Small 3245/5485/3269/5536/5864, and

Tower 3246/5474/3282/5498/5852 use desktop memory: 1GB PC3-10600 DDR3 Low-Halogen UDIMM 57Y4389 ann 01/12/10 1GB PC3-10600 DDR3 L-H UDIMM (25-Pack) 57Y4419 ann 01/12/10 2GB PC3-10600 DDR3 Low-Halogen UDIMM 57Y4390 ann 01/12/10 2GB PC3-10600 DDR3 L-H UDIMM (25-Pack) 57Y4420 ann 01/12/10

DVD-ROM DL SATA 1.5Gb/s 16X-48X Max4 41N5618 ann 09/26/06 Super Multi-Burner DL DVD±RW SATA Drive 41N5620 ann 09/26/06

Storage and removable storage

| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 ann 01/24/06 |
|---|--|
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 ann 11/06/07 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 ann 08/19/08 |
| 150GB SATA 3.0Gb/s Disk (10000 rpm) 2.5" | 43R2030 ann 03/31/09 |
| USB 2.0 Essential Memory Key 4GB USB 2.0 Essential Memory Key 8GB USB 2.0 Essential Memory Key 32GB USB 2.0 Ultra Secure Memory Key 1GB USB 2.0 Ultra Secure Memory Key 2GB USB 2.0 Ultra Secure Memory Key 4GB USB 2.0 Ultra Secure Memory Key 8GB USB 2.0 Ultra Secure Memory Key 8GB USB 2.0 Portable 320GB Hard Disk USB 2.0 Portable 500GB Hard Disk USB 2.0 Portable Secure 160GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk USB 2.0 Portable Secure 500GB Hard Drive USB 2.0 Super Multi-Burner Drive USB 2.0 Portable DVD Burner | 45J7904 ann 06/24/08 45J7905 ann 07/15/08 45K1258 ann 10/28/08 45J5915 ann 08/26/08 45J5917 ann 08/26/08 45J5918 ann 08/26/08 45K1689 ann 03/17/09 45K1689 ann 05/26/09 43R2018 ann 11/18/08 43R2019 ann 11/18/08 57Y4400 ann 01/07/10 41N5565 ann 01/23/07 43N3264 ann 01/05/10 |

Graphics

Small 3245/5485/3269/5536/5864 support Low Profile:

NVIDIA® Quadro® 512MB FX 380 LP (DP, DVI) 57Y4396 ann 02/02/10

NVIDIA GeForce® 512MB 310 (DP, VGA) 57Y4397 ann 02/02/10 NVIDIA GeForce 310 DMS59 (2-DVI, 2-VGA) 57Y4167 ann 03/02/10

Tower 3246/5474/3282/5498/5852 support 75 watts max:

NVIDIA Quadro 256MB NVS 295 45K1669 ann 04/21/09 NVIDIA Quadro 512MB NVS 450 (4-DP, 4-DVI) 57Y4398 ann 01/19/10 NVIDIA GeForce 512MB 310 (DP, VGA) 57Y4397 ann 02/02/10 NVIDIA GeForce 310 DMS59 (2-DVI, 2-VGA) 57Y4167 ann 03/02/10

More information at www.lenovo.com/support/graphiccards

Keyboard

Preferred Pro USB Keyboard 73P5220 ann 06/21/05 Enhanced Performance USB Keyboard 73P2620 ann 03/23/04 Ultraslim Wireless Keyboard and Mouse⁵² 57Y4700 ann 09/15/09 ThinkPad® USB Keyboard with TrackPoint Lenovo® USB Fingerprint Keyboard 55Y9003 ann 08/18/09 73P4730 ann 02/22/05 Lenovo USB Smartcard Keyboard 51J0155 ann 03/24/09 52 Wireless via 2.4GHz technology using a micro-size USB receiver.

More information at www.lenovo.com/support/keyboards

Mouse

| Lenovo Mini Optical Mouse - Black (USB) | 55Y9308 ann 05/19/09 |
|---|-----------------------------|
| Lenovo Mini Optical Mouse - White (USB) | 55Y9309 ann 05/19/09 |
| Lenovo Optical Mouse (USB) | 06P4069 ann 05/21/03 |
| Lenovo ScrollPoint® Mouse(ÚSB, Optical) | 31P7405 ann 08/27/02 |
| Lenovo Laser Mouse (USB) | 41U3074 ann 01/23/07 |
| Lenovo Wireless Laser Mouse - Black ⁵² | 45K1696 ann 11/25/08 |
| Lenovo Wireless Laser Mouse - Red/Black ⁵² | 51J0198 <i>ann 11/25/08</i> |

More information at www.lenovo.com/support/mice

Multimedia

ThinkPad In-Ear Headphones 57Y4488 ann 01/07/10

Kensington® MicroSaver® Cable Lock56 73P2582 ann 12/29/03 Kensington Twin Head Cable Lock56 45K1620 ann 09/30/08 USB Gemplus GemPC Smart Card Reader 41N3040 ann 02/21/06 Attaching to any form factor not only secures the ThinkCentre to the work area, but it also prevents users from opening the chassis itself.

Mounting Device

Eco Ultra Small 3244/3692/3257/3853/5296 support under desk mounting device:

ThinkCentre Ultra Small Under Desk Mount 40Y8625 ann 09/06/05

Monitors

44NI004E --- 04/04/00

| Lenovo D186 Wide 18.5" Monitor | 2580AB1 ann 01/12/10 |
|-------------------------------------|----------------------|
| Lenovo L2461x Wide 23.6" Monitor | 4015HB1 ann 01/05/10 |
| ThinkVision® L1711p 17" Monitor | 5047HB2 ann 10/20/09 |
| ThinkVision L1900p 19" Monitor | 4431HE1 ann 11/11/08 |
| ThinkVision L1951p Wide 19" Monitor | 2448HB6 ann 10/20/09 |
| ThinkVision L2250p Wide 22" Monitor | 2572HB6 ann 10/20/09 |
| ThinkVision L2251p Wide 22" Monitor | 2572HD6 ann 10/20/09 |
| ThinkVision L2251x Wide 22" Monitor | 2578HB6 ann 10/20/09 |
| ThinkVision L2440p Wide 24" Monitor | 4420HB2 ann 09/17/08 |
| | |

More information at www.lenovo.com/thinkvision

Monitor Accessories⁴⁶

Eco Ultra Small 3244/3692/3257/3853/5296 support:

Lenovo Vertical PC and Monitor Stand II 41R4474 ann 01/27/09

| AII. | | |
|--|-------------|--------------|
| Lenovo USB-to-DVI Monitor Adapter | 45K5296 | ann 05/12/09 |
| DisplayPort™ to Single-link DVI-D Cable | 45J7915 | ann 08/05/08 |
| DisplayPort to VGA Monitor Cable | 57Y4393 | ann 08/04/09 |
| ThinkVision USB Soundbar | 40Y7616 | ann 08/23/05 |
| ThinkVision Soundbar | 45K1263 | ann 09/16/08 |
| Kensington MicroSaver Cable Lock ⁵⁶ | 73P2582 | ann 12/29/03 |
| Kensington Twin Head Cable Lock ⁵⁶ | 45K1620 | ann 09/30/08 |
| Radial Arm | 19K4464 | ann 05/05/00 |
| 46 Compatible on selected Lenovo and Thir | nkVision mo | onitors. |

More information at www.lenovo.com/support/monitoraccessories

Medialess License Key (MLK)

Microsoft® Office 2007 Basic, English 43R1528 ann 07/03/07 Microsoft Office 2007 Small Business, Engl 43R1534 ann 07/03/07 Microsoft Office 2007 Professional, English 43R1531 ann 07/03/07

For more information on desktop accessories, please visit: www.lenovo.com/support/accessories

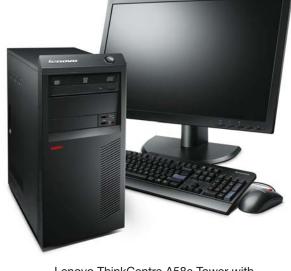
www.lenovo.com/support/desktopaccessories www.lenovo.com/support/security

Other accessories at www.lenovo.com/accessories





Lenovo ThinkCentre A58e Tower



Lenovo ThinkCentre A58e Tower with Lenovo ThinkVision monitor



Lenovo ThinkCentre A58e Tower





Lenovo ThinkCentre A58e Tower





Lenovo ThinkCentre A58e Tower



Lenovo ThinkCentre A58e Tower

| Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory ⁸ | SATA disk | SATA optical | Integrated graphics | Win7 preload | Global Educ | Avail date |
|--------------------------------------|--|--|---|--------------------------------------|---------------------------------|-----------------------|---------------------------------|--|---|--|--|--------------------------------------|--|
| A58e A58e A58e A58e A58e | 0841-A4U 0841-A5U 0841-A6U 0841-ADU 0841-AEU | 4x2 4x2 4x2 4x2 4x2 4x2 | Celeron E3200 Pentium E5300 Pentium E5300 Pentium E5400 Pentium E5400 | 2.40 2.60 2.60 2.70 2.70 | 1MB 2MB 2MB 2MB 2MB | 2 2 2 2 2 | 1GB 2GB 3GB 2GB 3GB | 250GB ² 250GB 320GB 250GB 320GB | DVD DVD±RW DVD±RW DVD±RW DVD+RW | GMA 3100 GMA 3100 GMA 3100 GMA 3100 GMA 3100 | Pro 32 Pro 32 Pro 32 Pro 32 Pro 32 | None None None None None | Jan 10 Jan 10 Jan 10 Jan 10 Jan 10 |

- These small and medium business (SMB) models are part of the US TopSeller™ Program
 Affordable and reliable computing for everyday business tasks
 These models have a 1-year limited warranty¹

| Positioning Processor | Quality and reliability for s Intel® Celeron® Processo 800MHz system bus, and Intel Pentium® Processo 800MHz system bus, and Processor in LGA775 soci | or E3200 with dual-core, 1MB L2 cache or r E5300 or E5400 with dual-core, 2MB L2 cache | Tower ■ Business black color; metal case ■ 6.9" W X 16.7" D X 14.6" H ■ 175mm W X 425mm D X 371mm H ■ 19.6 lb (8.9 kg) in typical configuration ■ Handle on top front | | | | |
|---|---|---|--|--|--|--|--|
| Memory | non-parity, dual-channel c Italics: standard mer | GB max ⁸ , PC2-6400 800MHz DDR2 , apable, two 240-pin DIMM sockets; nory in both sockets; no sockets avail; nory in one socket; one socket available | | wer button on top handle | | | |
| Graphics | one analog VGA DB-15 connector | | | , 1.6" high, access, std optical 1" high, no access, std disk | | | |
| SATA disk SATA controller SATA DVD SATA DVD±RW SATA cables eSATA port | 250GB or 320GB, SATA 3.0Gb/s 7200 rpm Serial ATA, SATA 3.0Gb/s, integrated in ICH7 Same: DVD BOM DI SATA 1.5Gb/s 16.48Y May4 Drive | | | ngth,full-height, PCI Express x16 ngth,full-height, PCI Express x1 ngth,full-height, 32-bit PCI 2.3 ngth,full-height, 32-bit PCI 2.3 Security | | | |
| Diskette drive Media reader | None None | | | One lock to secure both cover and entire system to fixed object: | | | |
| Chipset | | et; I/O Controller Hub 7 (ICH7) | | - Padlock loop (in rear for opt padlock) - Security slot (in rear for optional | | | |
| Front ports Rear ports Rear audio ports Audio Speaker IEEE 1394 Ethernet Intel AMT Modem Security chip | Two USB 2.0, microphone Four USB 2.0, serial (9-pir Line-in (stereo, 3.5mm), lin High Definition (HD) Audic None None Gigabit ethernet on planar None None None | s) ´ | Kensington® MicroSaver® cable) Boot sequence control Boot without keyboard, mouse | | | | |
| Keyboard Mouse Power supply | | ard (USB connector), 104-key, black, Len B connector), 400 dpi, black, Lenovo logo ual switch | | RoHS-compliant | | | |
| Preloaded appli ThinkVantage ThinkVantage ThinkVantage Norton™ Interr (30 days of vir Lenovo Syster Adobe® Reade Adobe Flash® Skype™ for Wi Microsoft® Offi | ows® 7 Professional 32 ications⁵ (only some listed) Product Recovery System Update Power Manager net Security 2009 us definitions) n Toolbox er® Player ndows ce 2007 Trial (60-day) P Business Edition | Accessories 1GB PC2-6400 DDR2 UDIMM 2GB PC2-6400 DDR2 UDIMM Lenovo USB-to-DVI Monitor Adapter DisplayPort™ to Single-link DVI-D Cable DispayPort to VGA Monitor Cable ADD2 DVI-D Monitor Connection (HDCF ATI™ Radeon™ HD 3470 256MB (DP, Vomore accessories on O-A58E sheet Acc Guide in pdf lenovo.com/accessoriother accessories at lenovo.com/accessories | 57Y4393 P) 43R1985 GA) 45K1636 resguide | Limited Warranty¹ 1-year parts and labor International Warranty Service³ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts³, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time) Onsite service upgrade options (in eligible locations):² 1-year LOR 9x5, 4 hour response (ThinkPlus™ part number 45K5951) 2-year LOR 9x5, Next Business Day (ThinkPlus part number 45K5949) 2-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5952) 3-year LOR 9x5, Next Business Day (ThinkPlus part number 45K5950) 3-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5953) ThinkPlus part number 45K5953) ThinkPlus services at lenovo.com/thinkplus/warranty Post warranty maintenance services available 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 | | | |

ThinkCentre® A58e Accessories

Partial list of accessories supported on ThinkCentre A58e Tower

| Memory | | |
|------------------------------------|----------|--------------|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 | ann 09/26/06 |
| 1GB PC2-6400 DDR2 UDIMM (25-Pack) | 51J0549 | ann 03/17/09 |
| 2GB PC2-6400 DDR2 UDIMM ` | 41U2978 | ann 01/08/08 |
| 2GB PC2-6400 DDB2 LIDIMM (25-Pack) | 51.10550 | ann 03/17/09 |

Optical

DVD-ROM DL SATA 1.5Gb/s 16X-48X Max⁴ 41N5618 ann 09/26/06 Super Multi-Burner DL DVD±RW SATA Drive 41N5620 ann 09/26/06

Storage and removable storage

| | 09N4254 41N3015 | ann 05/19/03 ann 01/24/06 |
|---|--|--|
| USB 2.0 Essential Memory Key 8GB USB 2.0 Essential Memory Key 32GB USB 2.0 Ultra Secure Memory Key 1GB USB 2.0 Ultra Secure Memory Key 2GB USB 2.0 Ultra Secure Memory Key 4GB USB 2.0 Ultra Secure Memory Key 8GB USB 2.0 Ultra Secure Memory Key 8GB USB 2.0 Portable 320GB Hard Disk USB 2.0 Portable 500GB Hard Disk USB 2.0 Portable Secure 160GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk eSATA/USB 2.0 Secure 500GB Hard Drive USB 2.0 Super Multi-Burner Drive | 45J7904 45J7905 45K1258 45J5915 45J5916 45J5917 45J5918 45K1689 45K1690 43R2018 43R2019 57Y4400 41N5565 43N3264 | ann 06/24/08 ann 07/15/08 ann 10/28/08 ann 08/26/08 ann 08/26/08 ann 08/26/08 ann 05/26/08 ann 05/26/08 ann 11/18/08 ann 11/18/08 ann 01/07/10 ann 01/23/07 ann 01/05/10 |
| | | |

Graphics

Graphics

DisplayPort™ to Single-link DVI-D Cable⁵0

DisplayPort to VGA Monitor Cable⁵0

ADD2 DVI-D Monitor Connection (HDCP)

ATI™ Radeon™ HD 3470 256MB (DP, VGA)

NVIDIA GeForce 310 DMS59 (2-DVI, 2-VGA)

TY4593* ann 08/05/08

45J7915

**ann 08/05/08

AR1985 ann 11/06/07

AST11* Agree 11/18/08

NVIDIA GeForce 310 DMS59 (2-DVI, 2-VGA)

TY4167 ann 03/02/10

DisplayPort graphics card.

More information at www.lenovo.com/support/graphiccards

Keyboard

| Preferred Pro USB Keyboard | 73P5220 | ann 06/21/05 |
|---|--------------|---------------|
| Enhanced Performance USB Keyboard | 73P2620 | ann 03/23/04 |
| Ultraslim Wireless Keyboard and Mouse ⁵² | | ann 09/15/09 |
| Lenovo® USB Fingerprint Keyboard | 73P4730 | ann 02/22/05 |
| Lenovo USB Smartcard Keyboard | | ann 03/24/09 |
| 52 Wireless via 2.4GHz technology using a | micro-size l | JSB receiver. |

More information at www.lenovo.com/support/keyboards

Mouse

| Lenovo Mini Optical Mouse - Black (USB) | 55Y9308 | ann 05/19/09 |
|---|---------|--------------|
| Lenovo Mini Optical Mouse - White (USB) | 55Y9309 | ann 05/19/09 |
| Lenovo Optical Mouse (USB) | 06P4069 | ann 05/21/03 |
| Lenovo ScrollPoint® Mouse (USB, Optical) | 31P7405 | ann 08/27/02 |
| Lenovo Laser Mouse (USB) | 41U3074 | ann 01/23/07 |
| Lenovo Wireless Laser Mouse - Black ⁵² | 45K1696 | ann 11/25/08 |
| Lenovo Wireless Laser Mouse - Red/Black ⁵² | 51J0198 | ann 11/25/08 |

More information at www.lenovo.com/support/mice

Multimedia

ThinkPad® In-Ear Headphones 57Y4488 ann 01/07/10

Security

Kensington® MicroSaver® Cable Lock® 73P2582 Kensington Twin Head Cable Lock® 45K1620 USB Gemplus GemPC Smart Card Reader 41N3040 ann 12/29/03 ann 09/30/08 ann 02/21/06 ⁵⁶ Attaching to any form factor not only secures the ThinkCentre to the work area, but it also prevents users from opening the chassis

Monitors

| ThinkVision® L1711p 17" Monitor | 5047HB2 | ann 10/20/09 |
|-------------------------------------|---------|--------------|
| ThinkVision L1900p 19" Monitor | | ann 11/11/08 |
| Think vision L1900p 19 Worldon | | |
| ThinkVision L1951p Wide 19" Monitor | | ann 10/20/09 |
| ThinkVision L2250p Wide 22" Monitor | 2572HB6 | ann 10/20/09 |
| ThinkVision L2251p Wide 22" Monitor | 2572HD6 | ann 10/20/09 |
| ThinkVision L2251x Wide 22" Monitor | 2578HB6 | ann 10/20/09 |
| ThinkVision L2440p Wide 24" Monitor | 4420HB2 | ann 09/17/08 |

More information at www.lenovo.com/thinkvision

Monitor Accessories 46

| Lenovo USB-to-DVI Monitor Adapter | 45K5296 | ann 05/12/09 |
|--|---------------|--------------|
| ThinkVision USB Soundbar | 40Y7616 | ann 08/23/05 |
| ThinkVision Soundbar | 45K1263 | ann 09/16/08 |
| Kensington MicroSaver Cable Lock ⁵⁶ | 73P2582 | ann 12/29/03 |
| Kensington Twin Head Cable Lock ⁵⁶ | 45K1620 | ann 09/30/08 |
| Radial Arm | 19K4464 | ann 05/05/00 |
| 46 Compatible on selected Langua and Th | ink\/icion mo | nitoro |

Compatible on selected Lenovo and ThinkVision monitors.

More information at www.lenovo.com/support/monitoraccessories

Medialess License Key (MLK)

| Microsoft® Office 2007 Basic, English | 43R1528 | ann 07/03/07 |
|---|---------|--------------|
| Microsoft Office 2007 Small Business, Engl | 43R1534 | ann 07/03/07 |
| Microsoft Office 2007 Professional, English | 43R1531 | ann 07/03/07 |

For more information on desktop accessories, please visit: www.lenovo.com/support/accessories www.lenovo.com/support/desktopaccessories www.lenovo.com/support/security

Other accessories at www.lenovo.com/accessories





Lenovo ThinkCentre A58 Small and Lenovo ThinkCentre A58 Tower



Lenovo ThinkCentre A58 Small with Lenovo ThinkVision monitor





Lenovo ThinkCentre A58 Small



Lenovo ThinkCentre A58 Small with dual Lenovo ThinkVision monitors





Lenovo ThinkCentre A58 Tower



Lenovo ThinkCentre A58 Tower

| Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory ⁸ | SATA disk | SATA optical | Graphics | Preload | Global Educ | Avail date |
|------|------------|---------------|---------------|------|-------------|-------|---------------------|--------------------|----------------|----------|---------|----------------|---------------|
| A58 | 7522-M8U | 2x3 | Celeron E3200 | 2.40 | 1MB | 2 | 1GB | 250GB ² | DVD±RW | GMA | XP Pro | None | Nov 09 |
| A58 | 7522-K6U | 2x3 | Pentium E6300 | 2.80 | 2MB | 2 | 2GB | 250GB | DVD ±RW | GMA | XP Pro | None | Nov 09 |
| A58 | 7522-K7U | 2x3 | Pentium E6300 | 2.80 | 2MB | 2 | 3GB | 320GB | DVD±RW | GMA | XP Pro | None | Nov 09 |

- These small and medium business (SMB) models are part of the US TopSeller™ Program
- These models have a 1-year limited warranty

| Positioning Processor | Quality, reliability, and security for small/medium businesses Intel® Celeron® Processor E3200 with dual-core, Virtualization Technology, 800MHz system bus, and 1MB L2 cache or Intel Pentium® Processor E6300 with dual-core, Virtualization Technology, 1066MHz system bus, and 2MB L2 cache Processor in LGA775 socket | Bay ② 3.5", Bay ③ 3.5", | optical disk (in rear) 1.6" high, access, std optical 1" high, no access, std disk .5" high, access, open (reader) | | |
|--|---|---|--|--|--|
| Memory | 1GB, 2GB, or 3GB std, 4GB max ⁸ , PC2-6400 800MHz DDR2, non-parity, dual-channel capable, two 240-pin DIMM sockets; Italics: standard memory in both sockets; no sockets avail; Non-italics: standard memory in one socket; one socket available | Slot 2: Low Pi • Business bla • 12.5" W X 1 | rofile, PCI Express x16 (35w max) rofile, 32-bit PCI 2.3 ack color; metal case 4.0" D X 3.9" H (355mm D X 99mm H | | |
| Graphics | Intel Graphics Media Accelerator X4500 (GMA X4500), integrated graphics in G41, uses main memory (up to 512MB [1GB models], 1GB [2GB or 3GB models]), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter | 16.5 lb (7.5 Toolless cov Toolless dis Toolless ada Toolless sys | kg) in maximum configuration ver flips up and tilts backward on rear hinges k, optical drive removal apter retention stemboard retention | | |
| SATA disk SATA controller SATA DVD±RW SATA cables eSATA port Diskette drive Media reader | 250GB or 320GB , SATA 3.0Gb/s 7200 rpm, vibration dampening Serial ATA, SATA 3.0Gb/s, integrated in ICH7 Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Two SATA cables (each 1-drop to device), two SATA connectors on prone None None | 3.0Gb/s, integrated in ICH7 or DL DVD±RW SATA 1.5Gb/s Drive | | | |
| Chipset | Intel G41 Express Chipset (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3 LPC bus) | B, USB, | Power-on password Administrator password Hard disk password Boot sequence control | | |
| Front ports Rear ports Rear audio ports Audio Speaker IEEE 1394 Ethernet | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5n Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), mousethernet (RJ-45), monitor (VGA DB-15) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stere High Definition (HD) Audio, Realtek® ALC662 codec One internal speaker for business audio None Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® | Boot sequence control Boot without keyboard, mouse, diskette Serial port I/O control Parallel port I/O control USB port disablement | | | |
| Intel AMT Modem | None None | | Supports ThinkVantage® technologies | | |
| Security chip Keyboard Mouse | None Preferred Pro USB Keyboard (USB connector), 104-key, black, Leno Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo | ovo® logo | GREENGUARD® certified RoHS-compliant | | |
| Power supply | 280 watts with variable speed fan, autosensing | | Limited Warranty ¹ | | |
| Preloaded oper | rating system ²⁰ Accessories | | ⇒ 1-year parts and labor ⇒ International Warranty Service ⁹ | | |

Windows® XP Professional preinstalled through downgrade rights in Genuine Windows 7 Professional

Preloaded applications⁵ (only some listed)

- Rescue and Recovery™
- Password Manager
- Lenovo Care™
- ThinkVantage System Update
- ThinkVantage Power Manager McAfee® VirusScan® Plus
- (30 days of virus definitions)
- Lenovo System Toolbox
- Adobe® Reader®
 Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day)
- Roxio® Creator® Small Business Edition (DVD±RW)
- Roxio MyDVD® (DVD±RW)
- Corel® WinDVD® (DVD±RW)

1GB PC2-6400 DDR2 UDIMM 41U2977 2GB PC2-6400 DDR2 UDIMM 41U2978 250GB SATA 3.0Gb/s Disk (7200 rpm) 500GB SATA 3.0Gb/s Disk (7200 rpm) 1TB SATA 3.0Gb/s Disk (7200 rpm) 41N3015 43R1990 45J7918 Super Multi-Burner DL DVD±RW SATA Drive 41N5620 DisplayPort to Single-link DVI-D Cable 45J7915 ADD2 DVI-D Monitor Connection (HDCP) 43R1985 ATI™ Radeon™ HD 3470 256MB (DP, VGA) 45K1636 NVIDIA® Quadro® 256MB FX 370 LP 55Y9275 More accessories on O-A58 sheet

Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at **lenovo.com**/accessories

- ✓ International Warranty Service⁹
 ✓ Customer Replaceable Unit (CRU)
- parts only (with limited onsite service for selected parts3, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)
- Onsite service upgrade options (in eligible locations):
 - 1-year LOR 9x5, 4 hour response (ThinkPlus™ part number 45K5951) 2-year LOR 9x5, Next Business Day
 - (ThinkPlus part number 45K5949) 2-year LOR 9x5, 4 hour response
 - (ThinkPlus part number 45K5952)
 - 3-year LOR 9x5, Next Business Day (ThinkPlus part number 45K5950)
 - 3-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5953)
- ThinkPlus services at lenovo.com/thinkplus/warranty
- Post warranty maintenance
- services available
- 24 hour x 7 day14 toll-free support during the warranty period via 800-426-7378

| Name | Type-model | Slot x bay | Processor | GHz | L2 cache | Cores | Memory ⁸ | SATA disk | SATA optical | Graphics | Win7 preload | Global Educ | Avail date |
|------|------------|---------------|---------------|------|-------------|-------|---------------------|--------------------|--------------|----------|-----------------|----------------|---------------|
| A58 | 7522-M9U | 2x3 | Celeron E3200 | 2.40 | 1MB | 2 | 1GB | 250GB ² | DVD±RW | GMA | Pro 32 | None | Nov 09 |
| A58 | 7522-P1U | 2x3 | Pentium E5300 | 2.60 | 2MB | 2 | 2GB | 250GB | DVD±RW | GMA | Pro 32 | None | Nov 09 |
| A58 | 7522-P2U | 2x3 | Pentium E5300 | 2.60 | 2MB | 2 | <i>3GB</i> | 320GB | DVD±RW | GMA | Pro 32 | None | Nov 09 |

- These small and medium business (SMB) models are part of the US TopSeller™ Program
- These models have a 1-year limited warranty

| Positioning Processor | Quality, reliability, and security for small/medium businesses Intel® Celeron® Processor E3200 with dual-core, Virtualization Tehnology, 800MHz system bus, and 1MB L2 cache or Intel Pentium® Processor E5300 with dual-core, 800MHz system bus, and 2MB L2 cache Processor in LGA775 socket | Bay ② 3.5", | optical disk (in rear) 1.6" high, access, std optical 1" high, no access, std disk | | | |
|--|---|---|--|--|--|--|
| Memory | 1GB, 2GB, or 3GB std, 4GB max ⁸ , PC2-6400 800MHz DDR2, non-parity, dual-channel capable, two 240-pin DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets avail; <i>Non-italics:</i> standard memory in one socket; one socket available | Slot 1: Low P Slot 2: Low P • Business bla | .5" high, access, open (reader) rofile, PCI Express x16 (35w max) rofile, 32-bit PCI 2.3 ack, color; metal case | | | |
| Graphics | Intel Graphics Media Accelerator X4500 (GMA X4500), integrated graphics in G41, uses main memory (up to 253MB [1GB models], 765MB [2GB models], or 1277MB [3GB models]), one analog VGA DB-15 connector, DirectX® 10, supports dual independent display with optional ADD2 adapter | 12.5" W X 14.0" D X 3.9" H 317mm W X 355mm D X 99mm H 16.5 lb (7.5 kg) in maximum configuration Toolless cover flips up and tilts backward on rear Toolless disk, optical drive removal Toolless adapter retention Toolless systemboard retention | | | | |
| SATA disk SATA controller SATA DVD±RW SATA cables eSATA port Diskette drive Media reader | 250GB or 320GB , SATA 3.0Gb/s 7200 rpm, vibration dampening Serial ATA, SATA 3.0Gb/s, integrated in ICH7 Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive Two SATA cables (each 1-drop to device), two SATA connectors on prone None None | , | Security Security Security slot (in rear for attachment of optional Kensington® MicroSaver® cable) - optional cable also locks the cover by deactivating the cover release buttons | | | |
| Chipset | Intel G41 Express Chipset (PCI Express® x16), I/O Controller Hub 7 [ICH7] (SATA 3.0Gb/s, PCI Express x1, PCI 2.3 LPC bus) | s, USB, | Power-on password Administrator password Hard disk password | | | |
| Front ports Rear ports Rear audio ports Audio Speaker IEEE 1394 Ethernet Intel AMT Modem | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5r Four USB 2.0, serial (9-pin), parallel (25-pin), keyboard (PS/2), moust ethernet (RJ-45), monitor (VGA DB-15) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone (stere High Definition (HD) Audio, Realtek® ALC662 codec One internal speaker for business audio None Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® None None | se (PS/2), | Boot sequence control Boot without keyboard, mouse, diskette Serial port I/O control Parallel port I/O control USB port disablement | | | |
| Security chip | None | | Supports ThinkVantage® technologies | | | |
| Keyboard Mouse Power supply | Preferred Pro USB Keyboard (USB connector), 104-key, black, Leno Optical Wheel Mouse (USB connector), 400 dpi, black, Lenovo logo 280 watts with variable speed fan, autosensing | vo [™] logo | GREENGUARD® certified RoHS-compliant | | | |
| | rating system ²⁰ lows® 7 Professional 32 1GB PC2-6400 DDR2 UDIMM 2GB PC2-6400 DDR2 UDIMM | 41U2977 41U2978 | Limited Warranty¹ 1-year parts and labor | | | |

- Password Manager
- ThinkVantage System Update
 ThinkVantage Power Manager
 ThinkVantage Toolbox
- Lenovo Online Data Backup
- Norton™ Internet Security 2009 (30 days of virus definitions) Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day) Roxio® Creator® Small Business Edition
- (DVD±RW)
- Roxio MyDVD® (DVD±RW)

Preloaded applications⁵ (only some listed)

■ Rescue and Recovery™

■ Rescue and Recovery™

■ Rescue and Recovery™

■ Rescue and Recovery™

■ Rescue and Recovery™

■ Rescue and Recovery™

■ Rescue and Recovery™

■ Rescue and Recovery™

■ Sough SATA 3.0Gb/s Disk (7200 rpm) 41U2978 41N3015 43R1990 1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918 Super Multi-Burner DL DVD±RW SATA Drive 41N5620 DisplayPort to Single-link DVI-D Cable 45J7915 ADD2 DVI-D Monitor Connection (HDCP 43R1985 ATI™ Radeon™ HD 3470 256MB (DP, VGA) NVIDIA® Quadro® 256MB FX 370 LP 45K1636 55Y9275 More accessories on O-A58 sheet

> Acc Guide in pdf lenovo.com/accessoriesguide Other accessories at lenovo.com/accessories

- ✓ International Warranty Service⁹
 ✓ Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts3, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)
- Onsite service upgrade options (in eligible locations):
 - 1-year LOR 9x5, 4 hour response (ThinkPlus™ part number 45K5951) 2-year LOR 9x5, Next Business Day
 - (ThinkPlus part number 45K5949) 2-year LOR 9x5, 4 hour response
 - (ThinkPlus part number 45K5952) 3-year LOR 9x5, Next Business Day
 - (ThinkPlus part number 45K5950) 3-year LOR 9x5, 4 hour response
 - (ThinkPlus part number 45K5953)
- ThinkPlus services at lenovo.com/thinkplus/warranty
- Post warranty maintenance
- services available
- 24 hour x 7 day14 toll-free support during the warranty period via 800-426-7378

ThinkCentre® A58 Accessories

Partial list of accessories supported on ThinkCentre A58

| Memory | | |
|-----------------------------------|---------|--------------|
| 1GB PC2-6400 DDR2 UDIMM | 41U2977 | ann 09/26/06 |
| 1GB PC2-6400 DDR2 UDIMM (25-Pack) | 51J0549 | ann 03/17/09 |
| 2GB PC2-6400 DDR2 UDIMM ` | 41U2978 | ann 01/08/08 |
| 2GB PC2-6400 DDR2 UDIMM (25-Pack) | 51J0550 | ann 03/17/09 |

Optical

All: DVD-ROM DL SATA 1.5Gb/s 16X-48X Max4 41N5618 ann 09/26/06 Super Multi-Burner DL DVD±RW SATA Drive 41N5620 ann 09/26/06

Tower 7515/7611 supports:

Blu-ray™ Burner SATA 1.5Gb/s Drive 45K1675 ann 03/31/09

Storage and removable storage

Graphics

Small 7522/7705 support Low Profile 35 watts max:
DisplayPort™ to Single-link DVI-D Cable⁵⁰ 45J7915
ADD2 DVI-D Monitor Connection (HDCP) 43R1985
ATI™ Radeon™ HD 3470 256MB (DP, VGA) 45K1636
NVIDIA® Quadro® 256MB FX 370 Low-Profile 55Y9275 ann 08/05/08 43R1985 ann 11/06/07 ann 11/18/08 ann 07/28/09 NVIDIA GeForce® 310 DMS59(2-DVI, 2-VGA)57Y4167 ann 03/02/10

Tower 7515/7611 supports 75 watts max: DisplayPort to Single-link DVI-D Cable⁵⁰ ADD2 DVI-D Monitor Connection (HDCP) 45J7915 ann 08/05/08 43R1985 ann 11/06/07 ATI Radeon HD 3470 256MB (DP, VGA) 45K1636 ann 11/18/08 NVIDIA GeForce 9500GT 512MB (DP, DVI) 45K1635 ann 11/18/08 NVIDIA GeForce 310 DMS59 (2-DVI, 2-VGA) 57Y4167 ann 03/02/10 ⁵⁰ Attaches to the ThinkCentre compatible DisplayPort graphics card.

More information at www.lenovo.com/support/graphiccards

Keyboard

| Preferred Pro USB Keyboard | 73P5220 | ann 06/21/05 |
|---|--------------|---------------|
| Preferred Pro Full Size PS/2 Keyboard | 31P7415 | ann 06/04/02 |
| Enhanced Performance USB Keyboard | 73P2620 | ann 03/23/04 |
| Ultraslim Wireless Keyboard and Mouse ⁵² | 57Y4700 | ann 09/15/09 |
| Lenovo® USB Fingerprint Keyboard | 73P4730 | ann 02/22/05 |
| Lenovo USB Smartcard Keyboard | 51J0155 | ann 03/24/09 |
| 52 Wireless via 2.4GHz technology using | a micro-size | USB receiver. |

More information at www.lenovo.com/support/keyboards

| Wouse | | |
|---|---------|--------------|
| Lenovo Mini Optical Mouse - Black (USB) | 55Y9308 | ann 05/19/09 |
| Lenovo Mini Optical Mouse - White (USB) | 55Y9309 | ann 05/19/09 |
| Lenovo Optical Mouse (USB) | 06P4069 | ann 05/21/03 |
| Lenovo ScrollPoint® Mouse (USB, Optical) | 31P7405 | ann 08/27/02 |
| Lenovo Laser Mouse (USB) | 41U3074 | ann 01/23/07 |
| Lenovo Wireless Laser Mouse - Black ⁵² | 45K1696 | ann 11/25/08 |
| Lenovo Wireless Laser Mouse - Red/Black ⁵² | 51J0198 | ann 11/25/08 |

More information at www.lenovo.com/support/mice

Multimedia

ThinkPad® In-Ear Headphones 57Y4488 ann 01/07/10

Security

Kensington® MicroSaver® Cable Lock56 73P2582 ann 12/29/03 Kensington Twin Head Cable Lock56 45K1620 ann 09/30/08 USB Gemplus GemPC Smart Card Reader 41N3040 ann 02/21/06 ⁶Attaching to any form factor not only secures the ThinkCentre to the work area, but it also prevents users from opening the chassis

Monitors

| ThinkVision® L1711p 17" Monitor | 5047HB2 | ann 10/20/09 |
|-------------------------------------|---------|--------------|
| ThinkVision L1900p 19" Monitor | 4431HE1 | ann 11/11/08 |
| ThinkVision L1951p Wide 19" Monitor | 2448HB6 | ann 10/20/09 |
| ThinkVision L2250p Wide 22" Monitor | 2572HB6 | ann 10/20/09 |
| ThinkVision L2251p Wide 22" Monitor | 2572HD6 | ann 10/20/09 |
| ThinkVision L2251x Wide 22" Monitor | 2578HB6 | ann 10/20/09 |
| ThinkVision L2440p Wide 24" Monitor | 4420HB2 | ann 09/17/08 |

More information at www.lenovo.com/thinkvision

Monitor Accessories⁴⁶

| Lenovo USB-to-DVI Monitor Adapter | 45K5296 | ann 05/12/09 |
|---|---------|--------------|
| ThinkVision USB Soundbar | 40Y7616 | ann 08/23/05 |
| ThinkVision Soundbar | 45K1263 | ann 09/16/08 |
| Kensington MicroSaver Cable Lock ⁵⁶ | 73P2582 | ann 12/29/03 |
| Kensington Twin Head Cable Lock56 | 45K1620 | ann 09/30/08 |
| Radial Arm | 19K4464 | ann 05/05/00 |
| 46 Campanatible and calculated Language and Thi | | and the same |

46 Compatible on selected Lenovo and ThinkVision monitors.

More information at www.lenovo.com/support/monitoraccessories

Medialess License Key (MLK)

| Microsoft® Office 2007 Basic, English | 43R1528 | ann 07/03/07 |
|---|---------|--------------|
| Microsoft Office 2007 Small Business, Engl | 43R1534 | ann 07/03/07 |
| Microsoft Office 2007 Professional, English | 43R1531 | ann 07/03/07 |

For more information on desktop accessories, please visit: www.lenovo.com/support/accessories www.lenovo.com/support/desktopaccessories www.lenovo.com/support/security

Other accessories at www.lenovo.com/accessories







Lenovo ThinkCentre A63 Tower



Lenovo ThinkCentre A63 Tower



Lenovo ThinkCentre A63 Tower



Lenovo ThinkCentre A63 Tower



Lenovo ThinkCentre A63 Tower with Lenovo ThinkVision® monitor



Lenovo ThinkCentre A63 Tower

| Type-model | Slot x bay | AMD processor | GHz | Core | Memory ⁸ | SATA disk | 2nd Disk Bay | SATA optical | | Integrated graphics | Monitor connectors | Int speaker | Win7 preload | Global Educ | Avail date |
|------------|---------------|---------------|-----|--------|---------------------|--------------------|-----------------|--------------|------|---------------------|--------------------|----------------|-----------------|----------------|---------------|
| 4013-A7U | 4x4 | Sempron 140 | 2.7 | Single | 1GB | 250GB ² | None | DVD | None | 3000 | VGA, DVI-D | Int | Prem 32 | None | Feb 10 |

- This small and medium business (SMB) model is part of the US TopSeller™ Program
- This model has a 1-year limited warranty

| Positioning Processor | Optimized for small and medium businesses AMD® Sempron™ Processor 140 with single-core, 4000MHz HyperTransport™ Bus, AMD Virtualization™ (AMD-V™) technology, AMD64 technology, int DDR3 memory controller, and 1MB L2 cache Processor in Socket AM3 | • 175mm W 2 • 24.2lb (11.0 • Handle on t | 7.4" D X 16.2" H X 442mm D X 412mm H Okg) in typical configuration | | | | | |
|---|---|--|---|--|--|--|--|--|
| Memory | 1GB std, 4GB max, UDIMM, PC3-8500 1066MHz DDR3, two 240-pin DIMM sockets; Non-italics: standard memory in one socket; one socket available | Tilted front I/O for easy access Toolless cover removal Toolless disk, optical drive removal | | | | | | |
| Graphics | ATI™ Radeon™ 3000, integrated in chipset, uses main memory (up to 256MB), one analog VGA DB-15 connector, one DVI-D connector, DirectX® 10, ATI Avivo™, SurroundView™, supports dual independent display; supports up to 4 monitors with optional dual-head ATI Radeon discrete graphics adapter | Toolless adapter retention Bay ① 5.25", 1.6" high, access, std optical Bay ② 5.25", 1.6" high, access, open Bay ③ 3.5", 1" high, access, open (reader) Bay ④ 3.5", 1" high, no access, std disk | | | | | | |
| SATA disk(s) SATA DVD SATA Controller eSATA port | 250GB , SATA 3.0Gb/s 7200 rpm DVD-ROM DL SATA 1.5Gb/s 16X-48X Max ⁴ Drive Serial ATA, SATA 3.0Gb/s, integrated in SB710, four SATA connectors None | , SATA 3.0Gb/s 7200 rpm OM DL SATA 1.5Gb/s 16X-48X Max ⁴ Drive ATA, SATA 3.0Gb/s, integrated in SB710, Slot 1: half-le Slot 2: half-le | | | | | | |
| Diskette drive Media reader | None None | | Security | | | | | |
| Chipset | AMD 760G Chipset with HyperTransport 3.0 and PCI Express® 2.0 support; SB710 south bridge / ITE Tech® IT8720 Super I/O | | One lock to secure both cover and entire system to fixed object: Padlock loop (in rear for opt padlock) Security slot (in rear for optional | | | | | |
| Front ports Rear ports Rear audio ports Internal connector Audio Speaker Ethernet Modem Security chip | Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5m Four USB 2.0, serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15, DVI-D) Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo Two USB 2.0 planar conn (1 used; one open for media reader or 2 re High Definition (HD) Audio, Realtek® ALC662 codec Internal speaker for business audio Gigabit ethernet on planar, Marvell® 88E8057, Wake on LAN® None None | Kensington® MicroSaver® cable) Power-on password Boot sequence control Boot without keyboard and mouse Serial port I/O control Individual USB port disablement | | | | | | |
| Keyboard Mouse Power supply | Preferred Pro USB Keyboard (USB connector), 104-key, black, Leno Optical Wheel Mouse (USB connector), 400dpi, black, Lenovo logo 280 watts with variable speed fan, manual switch | vo® logo | Supports ThinkVantage® technologies | | | | | |
| Preloaded opera | ating system ²⁰ Accessories Ows 7 Home Premium 32 1GB PC3-8500 DDB3 UDIMM | 45.15434 | GREENGUARD® certified | | | | | |

Genuine Windows® 7 Home Premium 32

Preloaded applications⁵ (only some listed)

- ThinkVantage Product Recovery Password Manager

- ThinkVantage System Update ThinkVantage Power Manager
- ThinkVantage Toolbox
- Norton™ Internet Security 2009 (30 days of virus definitions) Adobe® Reader®
- Adobe Flash® Player
 Skype™ for Windows
- Microsoft® Office 2007 Trial (60-day)

1GB PC3-8500 DDR3 UDIMM 45J5434 2GB PC3-8500 DDR3 UDIMM 500GB SATA 3.0Gb/s Disk (7200 rpm) 45J5435 43R1990 TTB SATA 3.0Gb/s Disk (7200 rpm)

DVD-ROM DL SATA 1.5Gb/s 16X-48X Max

ATI Radeon HD 3470 256MB (DP, VGA)

NVIDIA® GeForce® 310 512MB (DP, VGA) 45J7918 41N5618 45K1636 57Y4397 More accessories on O-A63 sheet

Acc Guide in pdf lenovo.com/accessoriesquide Other accessories at lenovo.com/accessories

RoHS-compliant

- 1-year parts and labor
- International Warranty Service⁹
- Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts3, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)
- Onsite service upgrade options (in eligible locations):7
 - 1-year LOR 9x5, 4 hour response (ThinkPlus™ part number 45K5951)
 - 2-year LOR 9x5, Next Business Day (ThinkPlus part number 45K5949)
 - 2-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5952) · 3-year LOR 9x5, Next Business Day
 - (ThinkPlus part number 45K5950)
 - 3-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5953) ThinkPlus services at
- lenovo.com/thinkplus/warranty
- 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378

| Type-model | Slot x bay | AMD processor | GHz | Core | Memory | SATA ⁸ disk | | | | | Monitor connectors | Int speaker | Win7 preload | | |
|------------|---------------|------------------|-----|--------|--------|---------------------------|------|----------------|------|------|--------------------|----------------|-----------------|------|--------|
| 5043-AEU | 4x4 | Sempron 140 | 2.7 | Single | 2GB | 250GB ² | None | DVD ±RW | None | 3000 | VGA, DVI-D |) Int | Pro 32 | None | Feb 10 |
| 5043-AFU | 4x4 | Athlon II X2 240 | 2.8 | Dual | 2GB | 250GB | None | DVD ±RW | None | 3000 | VGA, DVI-D |) Int | Pro 32 | None | Feb 10 |
| 5043-AGU | 4x4 | Athlon II X3 435 | 2.9 | Triple | 3GB | 320GB | None | DVD±RW | None | 3000 | VGA, DVI-D |) Int | Pro 32 | None | Feb 10 |

- These small and medium business (SMB) models are part of the US TopSeller™ Program
- These models have a 3-year limited warranty

| Positioning Processor | Optimized for small and m AMD® Sempron™ Proces 4000MHz HyperTransport¹ AMD Virtualization™ (AMI AMD64 technology, int DD and 1MB L2 cache or AMD Athlon™ II X2 Proce 4000MHz HyperTransport AMD Virtualization (AMD-\) AMD64 technology, int DD and 2MB L2 cache (1MB p AMD Athlon II X3 Proces 4000MHz HyperTransport AMD Virtualization (AMD-\) AMD64 technology, int DD and 1.5MB L2 cache (512I Processor in Socket AM3 | sor 140 with single-core, M Bus, D-V TM) technology, R3 memory controller, ssor 240 with dual-core, Bus, /) technology, R3 memory controller, ier core) or sor 435 with triple-core, Bus, /) technology, R3 memory controller, sor 435 with triple-core, Bus, /) technology, R3 memory controller, | 175mm W \(\) 24.2lb (11.0 Handle on I Power butto Tilted front Toolless co Toolless disoptical drive Toolless ad Bay \(\Pi \) 5.25", Bay \(\Pi \) 5.25", Bay \(\Pi \) 3.5", | 7.3" D X 15.8" H X 440mm D X 402mm H Okg) in typical configuration top front on on top handle I/O for easy access over removal sk, diskette drive, e removal dapter retention 1.6" high, access, std optical 1.6" high, access, open | | |
|--|---|--|--|---|--|--|
| Memory | two 240-pin DIMM sockets Italics: standard men Non-italics: standard men | nory in both sockets; no sockets avail; nory in one socket; one socket available | Slot 1: half-le Slot 2: half-le Slot 3: half-le | ength, full-height, PCIe 2.0 x16 (75w max) ength, full-height, PCIe 2.0 x1 ength, full-height, PCIe 2.0 x1 ength, full-height, 32-bit PCI 2.3 | | |
| Graphics | memory (up to 256MB), or | with optional dual-head | | Security One lock to secure both cover and entire system to fixed object: Padlock loop (in rear for opt padlock) Security slot (in rear for optional | | |
| SATA disk(s) SATA DVD±RW SATA Controller eSATA port Diskette drive Media reader | 250GB or 320GB, SATA 3. Super Multi-Burner DL DV Serial ATA, SATA 3.0Gb/s, None None | Kensington® MicroSaver® cable) • Power-on password • Boot sequence control • Boot without keyboard and mouse • Serial port I/O control • Parallel port I/O control • Individual USB port disablement | | | | |
| Chipset | AMD 760G Chipset with F SB710 south bridge / ITE | HyperTransport 3.0 and PCI Express [®] 2.0 s ech® IT8720 Super I/O | • Individual 03b port disablement | | | |
| Front ports Rear ports | Two USB 2.0, microphone Four USB 2.0, serial (9-pin ethernet (RJ-45), monitor (| (stereo, 3.5mm), headphone (stereo, 3.5n), keyboard (PS/2), mouse (PS/2), | nm) | Supports ThinkVantage technologies | | |
| Rear audio ports Internal connector Audio | Line-in (stereo, 3.5mm), lin | e-out (stereo, 3.5mm), microphone-in (ste 1 used; one open for media reader or 2 re | | GREENGUARD® certified RoHS-compliant | | |
| Speaker Ethernet Modem Security chip | Internal speaker for busine Gigabit ethernet on planar None None | | Limited Warranty¹ | | | |
| Keyboard Mouse Power supply | Preferred Pro USB Keyboa Optical Wheel Mouse (USI 280 watts with variable spe | vo® logo | parts only (with limited onsite service for selected parts ³ , 8 am - 5 pm, Mon - Fri coverage excluding holidays, | | | |
| Preloaded appli ThinkVantage Password Man ThinkVantage ThinkVantage ThinkVantage Norton™ Interr (30 days of viru Adobe® Reade Adobe Flash® Skype™ for Wi | cations ⁵ (only some listed) Product Recovery lager System Update Power Manager Toolbox net Security 2009 us definitions) practical security 2009 us definitions | Accessories 1GB PC3-10600 DDR3 UDIMM 2GB PC3-10600 DDR3 UDIMM 500GB SATA 3.0Gb/s Disk (7200 rpm) 1TB SATA 3.0Gb/s Disk (7200 rpm) Super Multi-Burner DL DVD±RW SATA D ATI Radeon HD 3470 256MB (DP, VGA) NVIDIA® GeForce® 310 512MB (DP, VGA) More accessories on O-A63 sheet Acc Guide in pdf lenovo.com/accessorie Other accessories at lenovo.com/accessories | 45K1636 57Y4397 esguide | next business day response time) Onsite service upgrade options (in eligible locations): ⁷ 3-year LOR 9x5, 4 hour response (ThinkPlus™ part number 45K5955) 3-year LOR 24x7, 4 hour response (ThinkPlus part number 45K5956) 4-year LOR 9x5, Next Business Day (ThinkPlus part number 45K5957) 4-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5958) 4-year LOR 24x7, 4 hour response (ThinkPlus part number 45K5959) ThinkPlus services at lenovo.com/thinkplus/warranty 24 hour x 7 day¹⁴ toll-free support | | |

lenovo.com/thinkplus/warranty

24 hour x 7 day¹⁴ toll-free support
during the warranty period¹
via 800-426-7378

ThinkCentre® A63 Accessories

Partial list of accessories supported on ThinkCentre A63

| М | em | n | rv |
|-----|-----|-----|----|
| IVI | CII | ıvı | v |

| 1GB PC3-8500 DDR3 UDIMM ⁴⁰ | 45J5434 ann 11/18/08 |
|---|----------------------|
| 1GB PC3-8500 DDR3 UDIMM (25-Pack) | 57Y4421 ann 11/10/09 |
| 2GB PC3-8500 DDR3 UDIMM ` | 45J5435 ann 11/18/08 |
| 2GB PC3-8500 DDR3 UDIMM (25-Pack) | 57Y4422 ann 11/10/09 |
| 1GB PC3-10600 DDR3 Low-Halogen UDIMM | 57Y4389 ann 01/12/10 |
| 1GB PC3-10600 DDR3 L-H UDIMM (25-Pack) | 57Y4419 ann 01/12/10 |
| 2GB PC3-10600 DDR3 Low-Halogen UDIMM | 57Y4390 ann 01/12/10 |
| 2GB PC3-10600 DDR3 L-H UDIMM (25-Pack) | 57Y4420 ann 01/12/10 |
| 40 When PC3-8500 is installed with systems that h | nave PC3-10600 |
| memory, PC3-10600 will operate at the PC3-85 | 00 memory speed. |

Optical

| Optioni | |
|---|----------------------|
| DVD-ROM DL SATA 1.5Gb/s 16X-48X Max4 | 41N5618 ann 09/26/06 |
| Super Multi-Burner DL DVD±RW SATA Drive | 41N5620 ann 09/26/06 |

Storage and removable storage

| 250GB SATA 3.0Gb/s Disk (7200 rpm) | 41N3015 ann 01/24/06 |
|--|--|
| 500GB SATA 3.0Gb/s Disk (7200 rpm) | 43R1990 ann 11/06/07 |
| 1TB SATA 3.0Gb/s Disk (7200 rpm) | 45J7918 ann 08/19/08 |
| USB 2.0 Essential Memory Key 4GB USB 2.0 Essential Memory Key 8GB USB 2.0 Essential Memory Key 32GB USB 2.0 Ultra Secure Memory Key 2GB USB 2.0 Ultra Secure Memory Key 4GB USB 2.0 Ultra Secure Memory Key 8GB USB 2.0 Portable 320GB Hard Disk USB 2.0 Portable 500GB Hard Disk USB 2.0 Portable Secure 160GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk eSATA/USB 2.0 Secure 500GB Hard Drive 53 USB 2.0 Portable DVD Burner 53 USB-only attach. | 45J7904 ann 06/24/08 45J7905 ann 07/15/08 45K1258 ann 10/28/08 45J5916 ann 08/26/08 45J5917 ann 08/26/08 45J5918 ann 03/17/09 45K1689 ann 05/26/09 43R2018 ann 11/18/08 43R2019 ann 11/18/08 57Y4400 ann 01/07/10 41N5565 ann 01/23/07 43N3264 ann 01/05/10 |

Graphics

Graphics
DisplayPort™ to Single-link DVI-D Cable⁵0
ATI™ Radeon™ HD 3470 256MB (DP, VGA)⁵8
ATI™ Radeon™ HD 3470 256MB (DP, VGA) 45K1636 ann 11/1.

NVIDIA® GeForce® 310 512MB (DP, VGA) 57Y4397 ann 02/0.

NVIDIA GeForce 310 DMS59 (2-DVI, 2-VGA) 57Y4167 ann 03/0.

Statistics this graphics card does not disable the system monitor por 45J7915 ann 08/05/08 45K1636 ann 11/18/08 57Y4397 ann 02/02/10 57Y4167 ann 03/02/10

58 Installing this graphics card does not disable the system monitor ports, thereby allowing a four monitor configuration.

More information at www.lenovo.com/support/graphiccards

| Reyboard | | |
|---|-----------|--------------|
| Preferred Pro USB Keyboard | 73P5220 | ann 06/21/05 |
| Preferred Pro Full Size PS/2 Keyboard | 31P7415 | ann 06/04/02 |
| Enhanced Performance USB Keyboard | 73P2620 | ann 03/23/04 |
| Ultraslim Wireless Keyboard and Mouse ⁵² | 57Y4700 | ann 09/15/09 |
| ThinkPad USB Keyboard with TrackPoint | 55Y9003 | ann 08/18/09 |
| Lenovo® USB Fingerprint Keyboard | 73P4730 | ann 02/22/05 |
| Lenovo USB Smartcard Keyboard | 51J0155 | ann 03/24/09 |
| 52 Wireless via 2.4GHz technology using a micro | -size USB | receiver. |
| | | |

More information at www.lenovo.com/support/keyboards

Mouse

| Lenovo Mini Optical Mouse - Black (USB) | 55Y9308 ann 05/19/09 |
|---|-----------------------------|
| Lenovo Mini Optical Mouse - White (USB) | 55Y9309 ann 05/19/09 |
| Lenovo Optical Mouse (USB) | 06P4069 ann 05/21/03 |
| Lenovo ScrollPoint® Mouse (USB, Optical) | 31P7405 ann 08/27/02 |
| Lenovo Laser Mouse (USB) | 41U3074 ann 01/23/07 |
| Lenovo Wireless Laser Mouse - Black ⁵² | 45K1696 ann 11/25/08 |
| Lenovo Wireless Laser Mouse - Red/Black ⁵² | 51J0198 <i>ann 11/25/08</i> |
| | |

More information at www.lenovo.com/support/mice

Multimedia

| ThinkPad® In-Ear Headphones | 57V1100 | ann 01/07/10 |
|---------------------------------------|----------|-------------------|
| I I II I KE AU THE LAI THE AUDITORIES | 37 14400 | allii U I/U// I U |

Security

Kensington® MicroSaver® Cable Lock56 73P2582 ann 12/29/03 Kensington Twin Head Cable Lock56 45K1620 ann 09/30/08 USB Gemplus GemPC Smart Card Reader 41N3040 ann 02/21/06 ⁵⁶Attaching to any form factor not only secures the ThinkCentre to the work area, but it also prevents users from opening the chassis

Monitors

| Lenovo D186 Wide 18.5" Monitor | 2580AB1 | ann 01/12/10 |
|-------------------------------------|---|--|
| ThinkVision® L1711p 17" Monitor | 5047HB2 | ann 10/20/09 |
| ThinkVision L1900p 19" Monitor | 4431HE1 | ann 11/11/08 |
| ThinkVision L1951p Wide 19" Monitor | 2448HB6 | ann 10/20/09 |
| ThinkVision L2250p Wide 22" Monitor | 2572HB6 | ann 10/20/09 |
| ThinkVision L2251p Wide 22" Monitor | 2572HD6 | ann 10/20/09 |
| ThinkVision L2251x Wide 22" Monitor | 2578HB6 | ann 10/20/09 |
| ThinkVision L2440p Wide 24" Monitor | 4420HB2 | ann 09/17/08 |
| | ThinkVision® L1711p 17" Monitor ThinkVision L1900p 19" Monitor ThinkVision L1951p Wide 19" Monitor ThinkVision L2250p Wide 22" Monitor ThinkVision L2251p Wide 22" Monitor ThinkVision L2251x Wide 22" Monitor | ThinkVision® L1711p 17" Monitor ThinkVision L1900p 19" Monitor ThinkVision L1951p Wide 19" Monitor ThinkVision L2250p Wide 22" Monitor ThinkVision L2251p Wide 22" Monitor ThinkVision L2251x Wide 22" Monitor ThinkVision L2251x Wide 22" Monitor |

More information at www.lenovo.com/thinkvision

Monitor Accessories⁴⁶

| Lenovo USB-to-DVI Monitor Adapter | 45K5296 | ann 05/12/09 |
|--|--------------|--------------|
| ThinkVision USB Soundbar | 40Y7616 | ann 08/23/05 |
| ThinkVision Soundbar | 45K1263 | ann 09/16/08 |
| Kensington MicroSaver Cable Lock ⁵⁶ | 73P2582 | ann 12/29/03 |
| Kensington Twin Head Cable Lock56 | 45K1620 | ann 09/30/08 |
| Radial Arm | 19K4464 | ann 05/05/00 |
| 46 Compatible on selected Lenovo and T | hinkVision m | onitors. |
| | | |

More information at www.lenovo.com/support/monitoraccessories

Medialess License Key (MLK)

Microsoft® Office 2007 Basic, English
Microsoft Office 2007 Small Business, Engl 43R1528 ann 07/03/07
Microsoft Office 2007 Professional, English 43R1531 ann 07/03/07

For more information on desktop accessories, please visit: www.lenovo.com/support/accessories www.lenovo.com/support/desktopaccessories www.lenovo.com/support/security

Other accessories at www.lenovo.com/accessories





Lenovo ThinkCentre A70z All-In-One (Wireless keyboard & mouse on selected models only)



Lenovo ThinkCentre A70z All-In-One



Lenovo ThinkCentre A70z All-In-One



Lenovo ThinkCentre A70z All-In-One



ThinkCentre A70z Performance Stand 57Y4277



Lenovo ThinkCentre A70z All-In-One

| Proc- Type-model essor | GHz Memory | Widescreen display | Camera (mega- pixel) | Integrated graphics | SATA disk | SATA optical | Mini PCle 802.11 wireless | Keyboard /Mouse | ENERGY STAR 5.0 | Win7 preload | Global Educ | Avail date |
|--|------------|-----------------------|----------------------------|------------------------|--------------|----------------------------|---------------------------------|--------------------|----------------------|----------------------------|----------------|----------------------------|
| 1165-A1U E3200 1165-A2U E5300 1165-A3U E7500 | 2.60 2GB | 19.0" WXGA+ | 1.3M | GMA X4500 | 320GB | DVD±RW DVD±RW DVD+RW | | USB USB USB | ES50 ES50 ES50 | Home P Pro 32 Pro 32 | None | Dec 09 Dec 09 Dec 09 |

- These small and medium business (SMB) models are part of the US TopSeller™ Program
 Best space saving solution & excellent cable management
 These models have a 1-year limited warranty¹

| Positioning Processor | All-In-One PC for business Intel® Celeron® Processe 800MHz system bus, and Intel Pentium® Processe 800MHz system bus, and Intel Core™ 2 Duo Proces 1066MHz system bus, an Processor in LGA775 soo | or E3200 with dual-core, 1MB L2 cache or or E5300 with dual-core, 2MB L2 cach or ssor E7500 with dual-core, d 3MB L2 cache | 472mm W X17.6 lb (8 kgHandle in reSupport VES | 2.87" D X 14.0" H 73mm D X 356mm H) in maximum configuration | | | |
|--|---|---|---|---|--|--|--|
| Memory | non-parity, dual-channel of | x ⁸ , PC2-6400 800MHz DDR2 , capable, two 240-pin DIMM sockets; mory in one socket; one socket available | Bay ① 3.5", | 1" high, no access, std disk (desktop) .5" high, access, std optical (notebook) | | | |
| Graphics | Intel Graphics Media Ac integrated graphics in G4 | celerator X4500 (GMA X4500), 1, uses main memory, DirectX® 10 | | Security | | | |
| SATA disk SATA DVD±RW eSATA port Diskette drive Media reader Widescreen display | 250GB or 320GB, SATA 3 DVD burner, SATA 1.5Gb/ None None None 19.0" (482.6mm) WXGA+ CCFL backlight, 300 nits, | Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) Boot sequence control Boot without keyboard, mouse USB port disablement | | | | | |
| Camera | microphone (mon | · · · · · · · · · · · · · · · · · · · | ated | | | | |
| Chipset | Intel G41 Express Chips | set; I/O Controller Hub 7 (ICH7) | | | | | |
| Ports Mini PCI Express 11b/g/n ¹² Audio Speaker IEEE 1394 Ethernet Intel AMT | Side: Three USB 2.0, mic One Mini PCI Express slo Some: 11b/g/n wireless ¹³ | g, Mini PCle adapter, Broadcom® BCM432 o, CONEXANT™ CX20582 codec watt x 2) | Supports ThinkVantage® technologies ENERGY STAR® 5.0-compliant RoHS-compliant | | | | |
| Modem | None | | | Limited Warranty ¹ | | | |
| Keyboard Mouse Power supply | None Preferred Pro USB Keybo Optical Wheel Mouse (US 130 watts, autosensing, 8 | , | 1-year parts and labor International Warranty Service⁹ Customer Replaceable Unit (CRU) parts only (with limited onsite servic for selected parts⁹, 8 am - 5 pm, | | | | |
| Preloaded operating system ²⁰ - Some: Genuine Windows® 7 Home Premium 32 - Some: Genuine Windows 7 Professional 32 Preloaded applications® (only some listed) ■ ThinkVantage Product Recovery ■ ThinkVantage Product Recovery ■ ThinkVantage Power Manager ■ ThinkVantage Power Manager ■ ThinkVantage Power Manager ■ ThinkVantage Toolbox ■ Lenovo Online Data Backup ■ Norton™ Internet Security 2009 (30 days of virus definitions) ■ Adobe® Reader® ■ Adobe® Reader® ■ Adobe® Reader® ■ Adobe® Reader® ■ Adobe® Reader® ■ Adobe® Reader® ■ Adobe® Reader® ■ Adobe® Reader® ■ Adobe® Reader® ■ Adobe® Reader® ■ Adobe® Reader® ■ Adobe® Reader® ■ Adobe® Reader® ■ Roxio® Creator® Business Edition (DVD±RW) ■ Roxio MyDVD® (DVD±RW) | | Mon - Fri coverage excluding holidays, next business day response time) Onsite service upgrade options (in eligible locations): 1-year LOR 9x5, 4 hour response (ThinkPlus™ part number 45K5951) 2-year LOR 9x5, Next Business Day (ThinkPlus part number 45K5949) 2-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5952) 3-year LOR 9x5, Next Business Day (ThinkPlus part number 45K5950) 3-year LOR 9x5, 4 hour response (ThinkPlus part number 45K5953) ThinkPlus part number 45K5953) ThinkPlus services at lenovo.com/thinkplus/warranty Post warranty maintenance services available 24 hour x 7 day¹⁴ toll-free support during the warranty period¹ via 800-426-7378 | | | | | |

ThinkCentre® A70z Accessories

Partial list of accessories supported on ThinkCentre A70z AIO

| N | 1e | m | 0 | ry | • |
|---|----|---|---|----|---|
| | | | | | |

| 1GB PC2-6400 DDR2 UDIMM | 41U2977 | ann 09/26/06 |
|-----------------------------------|---------|--------------|
| 1GB PC2-6400 DDR2 UDIMM (25-Pack) | 51J0549 | ann 03/17/09 |
| 2GB PC2-6400 DDR2 UDIMM | 41U2978 | ann 01/08/08 |
| 2GB PC2-6400 DDR2 UDIMM (25-Pack) | 51J0550 | ann 03/17/09 |

Storage and removable storage

| USB 2.0 Essential Memory Key 8GB USB 2.0 Essential Memory Key 32GB USB 2.0 Ultra Secure Memory Key 1GB USB 2.0 Ultra Secure Memory Key 2GB USB 2.0 Ultra Secure Memory Key 4GB USB 2.0 Ultra Secure Memory Key 4GB USB 2.0 Ultra Secure Memory Key 8GB USB 2.0 Portable 320GB Hard Disk USB 2.0 Portable 500GB Hard Disk USB 2.0 Portable Secure 160GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk | 160GB SATA 3.0Gb/s Disk (7200 rpm) 250GB SATA 3.0Gb/s Disk (7200 rpm) 500GB SATA 3.0Gb/s Disk (7200 rpm) | 09N4254 41N3015 43R1990 | ann 05/19/03 ann 01/24/06 ann 11/06/07 |
|--|---|--|--|
| | USB 2.0 Essential Memory Key 4GB USB 2.0 Essential Memory Key 8GB USB 2.0 Essential Memory Key 32GB USB 2.0 Ultra Secure Memory Key 1GB USB 2.0 Ultra Secure Memory Key 2GB USB 2.0 Ultra Secure Memory Key 4GB USB 2.0 Ultra Secure Memory Key 8GB USB 2.0 Portable 320GB Hard Disk USB 2.0 Portable 500GB Hard Disk USB 2.0 Portable Secure 160GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk USB 2.0 Portable Secure 320GB Hard Disk USB 2.0 Portable Secure 500GB Hard Disk | 45J7904 45J7905 45K1258 45J5915 45J5916 45J5917 45J5918 45K1689 45K1690 43R2018 43R2019 57Y4400 | ann 06/24/08 ann 07/15/08 ann 10/28/08 ann 08/26/08 ann 08/26/08 ann 08/26/08 ann 03/17/09 ann 05/26/09 ann 11/18/08 ann 11/18/08 ann 11/18/08 |
| | | | |

Keyboard

Reyboard
Preferred Pro USB Keyboard
Preferred Pro USB Keyboard
Enhanced Performance USB Keyboard
Ultraslim Wireless Keyboard and Mouses
ThinkPad USB Keyboard with TrackPoint
Lenovo® USB Fingerprint Keyboard
Lenovo USB Smartcard Keyboard
Se Wireless via 2.4GHz technology using a micro-size USB receiver. 73P5220 ann 06/21/05 73P2620 ann 03/23/04 57Y4700 ann 09/15/09 55Y9003 ann 08/18/09 73P4730 ann 02/22/05 51J0155 ann 03/24/09

More information at www.lenovo.com/support/keyboards

Mouse

| Wouse | | |
|---|---------|--------------|
| Lenovo Mini Optical Mouse - Black (USB) | 55Y9308 | ann 05/19/09 |
| Lenovo Mini Optical Mouse - White (USB) | 55Y9309 | ann 05/19/09 |
| Lenovo Optical Mouse (USB) | 06P4069 | ann 05/21/03 |
| Lenovo ScrollPoint® Mouse (USB, Optical) | 31P7405 | ann 08/27/02 |
| Lenovo Laser Mouse (USB) | 41U3074 | ann 01/23/07 |
| Lenovo Wireless Laser Mouse - Black ⁵² | 45K1696 | ann 11/25/08 |
| Lenovo Wireless Laser Mouse - Red/Black ⁵² | 51J0198 | ann 11/25/08 |

More information at www.lenovo.com/support/mice

Multimedia

ThinkPad® In-Ear Headphones 57Y4488 ann 01/07/10

Security

| Kensington® MicroSaver® Cable Lock | 73P2582 | ann 12/29/03 |
|-------------------------------------|---------|--------------|
| Kensington Twin Head Cable Lock | 45K1620 | ann 09/30/08 |
| USB Gemplus GemPC Smart Card Reader | 41N3040 | ann 02/21/06 |
| | | |

Stand

ThinkCentre A70z Performance Stand 57Y4277 ann 11/17/09

Monitor Accessories⁴⁶

| Lenovo USB-to-DVI Monitor Adapter | 45K5296 | ann 05/12/09 |
|--|---------|--------------|
| Kensington MicroSaver Cable Lock ⁵⁶ | 73P2582 | ann 12/29/03 |
| Kensington Twin Head Cable Lock ⁵⁶ | 45K1620 | ann 09/30/08 |
| Radial Arm | 19K4464 | ann 05/05/00 |
| 46.0 | | |

⁴⁶Compatible on selected Lenovo and ThinkVision monitors.

More information at www.lenovo.com/support/monitoraccessories

Medialess License Key (MLK)

| Microsoft® Office 2007 Basic, English | 43R1528 | ann 07/03/07 |
|---|---------|--------------|
| Microsoft Office 2007 Small Business, Engl | 43R1534 | ann 07/03/07 |
| Microsoft Office 2007 Professional, English | 43R1531 | ann 07/03/07 |

For more information on desktop accessories, please visit: www.lenovo.com/support/accessories www.lenovo.com/support/desktopaccessories www.lenovo.com/support/security

Other accessories at www.lenovo.com/accessories

ThinkCentre® - ThinkPlus™ Services

Partial list of Lenovo® ThinkPlus Services⁷ for ThinkCentre desktops

For more information see:

http://www.lenovo.com/services_warranty/us/en/index.html

ThinkPlus service upgrade options for ThinkCentre M series

ThinkCentre desktop with 1-year Onsite warranty

LOR = Lenovo Onsite Repair

| 1-year LOR 9x5 4-hour response | 41C9189 |
|----------------------------------|---------|
| 2-year LOR 9x5 Next Business Day | 41C9187 |
| 2-year LOR 9x5 4-hour response | 41C9190 |
| 3-year LOR 9x5 Next Business Day | 41C9188 |
| 3-year LOR 9x5 4-hour response | 41C9191 |

ThinkCentre desktop with 3-year Onsite warranty

LOR = Lenovo Onsite Repair

| 3-year LOR 9x5 4-hour response | 41C9192 |
|----------------------------------|---------|
| 3-year LOR 24x7 4-hour response | 41C9193 |
| 4-year LOR 9x5 Next Business Day | 41C9194 |
| 4-year LOR 9x5 4-hour response | 41C9195 |
| 4-vear LOR 24x7 4-hour response | 41C9196 |

ThinkPlus service upgrade options for ThinkCentre A series

ThinkCentre desktop with 1-year Onsite warranty

LOR = Lenovo Onsite Repair

| 1-year LOR 9x5 4-hour response | 45K5951 |
|----------------------------------|---------|
| 2-year LOR 9x5 Next Business Day | 45K5949 |
| 2-year LOR 9x5 4-hour response | 45K5952 |
| 3-year LOR 9x5 Next Business Day | 45K5950 |
| 3-year LOR 9x5 4-hour response | 45K5953 |

ThinkCentre desktop with 3-year Onsite warranty

LOR = Lenovo Onsite Repair

| 3-year LOR 9x5 4-hour response | 45K5955 |
|----------------------------------|---------|
| 3-year LOR 24x7 4-hour response | 45K5956 |
| 4-year LOR 9x5 Next Business Day | 45K5957 |
| 4-year LOR 9x5 4-hour response | 45K5958 |
| 4-year LOR 24x7 4-hour response | 45K5959 |
| 5-year LOR 9x5 Next Business Day | 45K5963 |

ThinkPlus Secure Business

Lenovo Online Data Backup

- Secure offsite data storage
- 256-bit Advanced Encryption System
- Data recovery or access in case of an unforeseen event
- Automatic, rémote management
- Choose which business critical data to back up

| 1-year Lenovo Online Data Backup - 10GB | 51J0787 |
|--|---------|
| 1-year Lenovo Online Data Backup - 25GB | 51J0795 |
| 1-year Lenovo Online Data Backup - 50GB | 45K5849 |
| 1-year Lenovo Online Data Backup - Unlimited | 45K5870 |

ThinkPlus Priority Support for enterprise customers

- 9x5 next-business-day response Lenovo Onsite Repair
- 24x7 support with priority routing and advanced level technicians

ThinkCentre desktop with 1-year Onsite warranty

3-year Priority Support 45J9087

ThinkCentre desktop with 3-year Onsite warranty

| 3-year Priority Support | 45J9088 |
|---|---------|
| 4-year Priority Support | 45J9089 |
| 5-year Priority Support | 45J9090 |
| 3-year Priority Support 4-hour response | 45J9091 |
| 4-year Priority Support 4-hour response | 45J9092 |
| 5-year Priority Support 4-hour response | 45J9093 |

Availability: All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo is not responsible for photographic or typographic errors.

Warranty: For a copy of applicable product warranties, write to: Warranty Information, P.O. Box 12195, RTP, NC, 27709, Attn: Dept ZPYA/B676. Lenovo makes no representation or warranty regarding third party products or services.

- Limited warranty: Support unrelated to a warranty issue may be subject to additional charges.
- ² Hard drive: GB = billion bytes, TB = trillion bytes. Accessible capacity is less; up to 4GB is service partition.
- 3 Limited onsite service systems are designed to be repaired during the applicable warranty period primarily with customer-replaceable parts provided by Lenovo. Lenovo will only send a technician onsite to perform a repair if (a) remote telephone diagnosis and/or customer part replacement are unable to resolve the problem, or (b) the part is one of the few designated by Lenovo for onsite replacement. For a list of onsite replaceable parts, contact Lenovo. In the United States call 1-800-426-7378. Support unrelated to a warranty issue may be subject to additional charges. Lenovo onsite repair (LOR), 8 am to 5 pm, Monday through Friday coverage excluding holidays, next business day (NBD) response time.
- 4 CD and DVD list maximum rates; rates are variable and are often less than the maximum.
- Included software may differ from its retail version (if available), and may not include user manuals or all program functionality. License agreements may apply.

- Multi-Burner Plus (part number 73P3305 or 73P3370) is a DVD±RW device that reads and writes to DVD-RAM, DVD-R, DVD-RW, DVD+R, and DVD+RW. It also reads and writes to CD-R and CD-RW media. 73P3370 also writes to DVD+R double layer media.
- ThinkPlus Services: These services are available for machines normally used for business, professional, or trade purposes, rather than personal, family, or household purposes. Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part will be express shipped to you for quick replacement. Onsite 24x7x2-hour service is not available in all locations. P&L means parts and labor. P/U means pick-up. See ThinkPlus terms and conditions for complete details and restrictions.
- 8 Memory: For PCs without a separate graphics card, memory supports both system and video. Accessible system memory may be up to 384MB less than the amount stated, depending on video mode.
- ⁹ International Warranty Service is available in any country in which this product is sold and serviced. Service delivery methods and parts availability vary by country, may be different from that in the country of purchase, and are subject to change without notice. Fees and restrictions may apply in some countries.

- 10 Modem speeds: Public network download speeds are limited to 53Kbps. Upload speeds are limited to 48Kbps for V.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.
- 11 For combination drives, maximum speeds only are given in the following order: CD read, CD write, CD re-write, DVD read.
- ¹² The IEEE 802.11n specification (MIMO) has been finalized and is currently in IEEE 802.11n-2009 release. The maximum speed depends on the access point device and the number of integrated antenna used for connection. An adapter with 11a/b, 11a/b/g, 11b/g/n, or 11a/b/g/n can communicate on any of its supported formats.
- Wireless capability: Requires compatible wireless-enabled options sold separately.
- ¹⁴ Response times may vary. May exclude some holidays. Telephone support may be subject to additional charges.
- 15 Update Connector is available at no charge to registered customers during the limited warranty period. Line charges may apply.
- 16 Embedded Security Subsystem works with optional VPN software.

- ¹⁸ Embedded Security Subsystem may require download of client security software from the Web.
- ¹⁹ Asset ID allows system-specific information to be stored in a chip inside the system; it does not have any radio frequency support.
- Operating System: Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Refer to lenovo.com/pc/support and enter your machine type and model number for more information.

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